

<110> Rosen et al.

<120> 64 Human Secreted Proteins

<130> PZ011

<140> Unassigned

<141> 2001-02-06

<150> 60/180,909

<151> 2000-02-08

<150> 09/669,688

<151> 2000-09-26

<150> 09/229,982

<151> 1999-01-14

<150> 1998-07-15

<151> PCT/US98/14613

<150> 1997-07-16

<151> 60/052,661

<150> 1997-07-16

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<170> PatentIn Ver. 2.0

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tctcccggac tcctgaggtc acatgcgtgg tgggtggacgt aagccacgaa gacctgagg      180
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ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg      600
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<211> 86
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<213> Homo sapiens

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cccgaaatat ctgccatctc aattag 86

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<212> DNA
<213> Homo sapiens

<400> 4
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<210> 5
<211> 271
<212> DNA
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gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
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gcgaagcttc gcgactcccc ggatccgcct c 31

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<211> 73
<212> DNA
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ccatctcaat tag 73

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cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
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<212> DNA
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gcttttctac ttgccgcgct ctcaactgctc ggtgtactgg gagggatacc tgggaggcgt 180
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ggcatgacgt ttgatttccc ggtgataatc cgacgagttt gacagattga ggtagtgagc 360
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agagatagtg ttcttagggc tgggtttcact gtctcttaag actgaarggt ggarctggga 480
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cgggtanccaa ttcgccct 558

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<212> DNA
<213> Homo sapiens

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agtccmaggg	gagtacataa	ttcaaaccag	aattgggtcat	tttggagttt	gcactcttag	480
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taaaacctgc	ttactacaag	agaccaggtt	tattattttg	tggtgggtta	cattcataag	600
tatatctcat	cataataagg	ctccgtgaaa	ttagtcattt	tatcatttgc	caataaagac	660
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<210> 13

<211> 838

<212> DNA

<213> Homo sapiens

<400> 13

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catagtgttt	tccttcttta	tagttttacg	tctcttctct	aggaatgagt	ctattaagaa	180
aatagggtgt	atcttttagc	tttggcattt	gactttcagg	ataatagagc	tatctgctac	240
tgacagaaaa	gctttgacaa	gtgtttaata	ctctgggatt	accttcattc	tacttttgca	300
atcattatgt	gaacattgtc	ttccgtccac	atctayaggc	tagtawgtaa	caccgttgac	360
taaatccaaa	ctttaggcta	gggaaaaagg	gtatactttc	tggttttcgg	ttgtagatta	420
tgttttagatc	taaycaaaac	aggacagtgg	tccaaacaga	aaattgctat	tttctgtatc	480
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gttttatata	agaaatggaa	gtaatgatac	tatcttttct	ggaatatattg	caggccccag	660
aggagatgat	gagcaaggac	tggtggcctg	tattacacac	aacagggttg	tagttactat	720
cccagcaagg	aaagggtgta	tctttcttct	ttcatgcaaa	ttatctatga	tgacctaac	780
gtttgattat	agtgagtgga	ctaaccacaa	caataaaaaa	aaaaaaaaaa	aactcgaa	838

<210> 14

<211> 513

<212> DNA

<213> Homo sapiens

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atccagtgcc	tttccttttt	gcctttgtat	tcattcattt	ggcaaattac	tggaagatga	120
cggttctggc	caaaaggctg	gttttgtttt	tggttcacat	tttcttgctt	ctctgcgtta	180
gaatcttgga	ttagatgatg	gacatggtga	agatctcagc	aacctcattc	actagaagat	240
catgtggatt	ggaatcatac	aatggggaac	aaatggaaaa	gagtactttt	gaaatagtgc	300
tggagaccac	tgtgaccaca	gaatgtcaag	acacgtgctg	ccattactgt	tactatttgg	360
aaaatacatt	cttgtaaattg	caaccttagg	gggtttgagg	gggaagtctg	ttgggaaatg	420
aattgcaaga	aaaatattac	acctgaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	480
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaact	cga			513

<210> 15

<211> 712

<212> DNA

<213> Homo sapiens

<220>

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<222> (565)

<223> n equals a,t,g, or c

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cccggcagcg	gccgccggcg	cggcactgct	acgggacgag	ccggagcgct	tggccatggc	120
ggcccgatcc	gcactggcgc	tgctgctgct	gctgccagtc	ctgctcctgc	cggtgcagag	180
ycgctcagag	cccagacca	ccgcgcccac	ccctacccca	atcccgggtg	gcaactcgct	240
aktgagcagg	ccctgcccc	gcacgcagct	ccacgcctgc	ggcccatacc	ccaaaccagg	300
cctgctcatc	ctgctggccc	cgctggccct	gtggcccatt	ctcctgtagg	gacgcccagc	360
cagccacctc	taagtgcgg	ctgggactgg	cctgccccat	tgagcaacag	agacgcttga	420
cagccgcccg	cctccattcc	ttgacttcac	ccagaaatgg	gtccagaaaa	ctgaatccca	480
ccagcactgg	tttggagcaa	ccggacaccg	aggtttcacc	tccagggrrt	ccatggaaga	540
gcctcaatgg	agatgccaca	tcctnactga	gttaaagatg	ggctgaggaa	cttgggtacc	600
cacaagtytg	ccttgggrat	caaaaagaaa	tatttacctt	tagtttggtt	cattaaatgc	660
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<210> 16

<211> 652

<212> DNA

<213> Homo sapiens

<400> 16

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taamatacaa	aacttcccc	agtcactggc	cgccaggetg	agttggggga	tgtgttacat	180
ccctgggtcc	actggggggc	agtgttgccc	atgggtgttg	tgctggctct	gccgagaggc	240
gttgagtggt	ctgtgtgggg	cggtgagcgc	cggcccagcc	tgatggaacc	caactgtacca	300
ggcccaggcc	tcagcctctg	agaaggactt	ccctgtgtca	ctcactcata	catgtcctca	360
ggacgtgaag	acatttcagc	agaccaaaagt	ttccttcgaa	tttccttcga	atcgtccaga	420
tacttggaga	catctcctcc	tcacctgtgg	ggtgctgggg	cagtcctagg	cgtgggggca	480
gatgggtgga	cagctgctgc	tgccctgctg	ggggtgggca	gcccttgagg	cacacagtgg	540
tgaagacatt	cctgaatatg	tctcaggctg	tagaaatcct	atcttggtga	aagatttttag	600
agaatcatca	aaataaaactt	ttaccaaaata	aaaaaaaaaa	aaaaaaactc	ga	652

<210> 17

<211> 742

<212> DNA

<213> Homo sapiens

<400> 17

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ttttactaag	ttaccacat	tctgacactc	cttgacagtk	ttaagatctt	cttctaacac	180
acttgaatag	aatggatact	ggaatctatt	ttgacagctg	ttgaaaatct	attctgttgt	240
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tgaactgcta	aaagatgggt	ctatacatgt	aacagggtgg	tttagttggg	ttgctttcac	660
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aaaaaaaaaa	aaaagggcgg	cc				742

<210> 18
 <211> 1219
 <212> DNA
 <213> Homo sapiens

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atagaaaatc ttgaacagta caagattttc ataattaagg catgcaaaac tgcttgggct      180
ctttgattcc aggtgtcctc ttctcccttc tgcttttgcc atctatgttc aatataattc      240
taaccagtc taagtatgga gaaaattcct accctgcctg cttttatagc tcatcaaatt      300
tccctgtatc agctatcact tttctggtag gtgtagtctg atttctgtct gtcatgcctt      360
tgccacaatc ctttctttga agagtaggta aaagatctat taaagtgtta atcacattgc      420
tctaataatat aaagcctcca gtggtttccc atatcactct gtaaaatgcc ccttgccagc      480
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gagttcatag atgtaaaaca catcctaggg ktagcaaact ggtgggccct gagccaaatc     1080
ctggcctgca catgtatttt gtttgakttg tacaatgttt gttataaatg aactggctga     1140
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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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ttccagcttt catttttcac tgagataatg gtagtgatag tactgacctc taatgtgtgc      180
atgtgtgggt atgtggtcca ttcagcttta atcccagaa gacaaggctt attccttttc      240
ttatttttgg tcatgtttta tttttccatt gcttttaaca ggattaccaa aggcacactc      300
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ttcctgggtt ggaaaataga tcatcagtaa aaacatacag gaaaaatgaa tcttgccaat      420
gcaattgtta acctacaacc ataataatcc ttaagtatat ntttgcacat aagtataaca      480
tgcgatttaa aacaataaac cagattgaga tctaaggagc attttgtaag taattactaa      540
tgtttatttt agagagatca cacaacttca aataaaaaact gacatagatt gaacaccttg      600
agaataaact ttagtgccaa atggaaaata attttttaca agtaaatgtg aagaacaatg      660
tgaactttct ataattatat acagraaata tactgatttg ccaaaatgag taattttgat      720
atattaatat ttcacttata agaatgcata ccacctgatc caggatggga tccaggaaca      780
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 <212> DNA
 <213> Homo sapiens

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 ggaaattgga actgccaccc agcccagcat ggtggctcaa ttggttggt gcgttgctcag 180
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 gggaaaaaaa caatttgtaa atacagaaca ttgtttaaaa gacataacca tagaacatag 360
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 ataaaaaaa aaaaaaaaaa aaaaaaatcg gggggggggc ccgg 464

<210> 21
 <211> 637
 <212> DNA
 <213> Homo sapiens

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 ggcagccaca gggaggacat gtggcctcag gaagcctggg tgtgtatcct ggttctgcta 180
 ggaacacgtg tggggctttg tgtgggtgac tctctggctc cccaagcctc cctttcctac 240
 tgttatatcc ttaaagtgcc tctgaggcca aagcctttgt ggcaattgtc aaatgagtcc 300
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 agcctgttgc ctccttgccct ggaccccgcc tcagctcaga aagccaattc cctagattcc 480
 aaaggccttc ccagaccaat tagcatgtcc tgcagctgtc agctccctgt gcctagcctg 540
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 aaataacaaa tgaaaaaaaa aaaaaaaaaa aaaaaaat 637

<210> 22
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 22
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 atcccatttc acaaggatgg catgttgcca acattgtctt tctaaagaat atctctgac 180
 acatccttgt tctattaaaa accttttgaa agctccctct tacctttaga agaaattgga 240
 acttcatgat tctcatgggt ctggctccag cactgagtct ggaatgctag tgtgagatga 300
 ggcccttagaa gtcattccagc tgaactcctg gaatttttat agatgaataa atgtagcatc 360
 cagacatttt tcytgttgca cccctgtamg ccatgtcctc ttccagactc ctggataaga 420
 ctgrecagaca tcaccattct cttaaaccag aactacactt gccttcatcc atttgatcac 480
 ctggttccag gtaactcatg agctttgtag ctcccttct ctcagacctt ccaaggaaga 540
 caatggcata attttcccca tatgctctaa ttagcaacct ttccctgccc ttctgtgggt 600
 gggcagggcc ggacacagtg ggtcacacct gcaacctgta atcccagcac ttggggaggc 660
 tgaggtgggc agattgcctg agctcaggag ttcaagacag tctgggtaac atggcaaaat 720
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<210> 23
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (486)
 <223> n equals a,t,g, or c

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 ccccggaact tccgtcatgg gcgtgtgctt gttgattcca ggactggcta ctgcgtacat 180
 ccacaggttc actaacgggg gcaaggaaaa aagggttgct ctttttgggt atcactggag 240
 tctgatggaa agagataggc gcatctctgg agttgatcgt tactatgtgt caaagggttt 300
 ggagaacatt gattaaggaa gcattttcct gattgatgaa aaaaataact cagttatggc 360
 catctacccc tgctagaagg ttacagtgtg ttatgtagca tgcaatgtgt tatgtagtgc 420
 ttaataaaaa taaaatgaaa aaaawrmaa aaaaaaaaa aaaaaaaaa aaaaaaaaa 480
 aaaaanaaaa aa 492

<210> 24
 <211> 532
 <212> DNA
 <213> Homo sapiens

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<210> 25
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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (920)

<223> n equals a,t,g, or c

<400> 25

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<210> 26

<211> 917

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (434)

<223> n equals a,t,g, or c

<400> 26

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cagaatgtca	tatagttgga	atcatacaat	tgtgcagact	ttttagattg	ccttcttttca	180
cttagtaaca	tttaagtttc	ctccaccct	tttcatggct	tgatagttca	tttcttttaa	240
ttgctcaata	ataaatattc	cattatctag	atagaacggt	ttatctacct	agtgaaggac	300
atctcaattg	cctccaagt	taggcaaata	taaacaaagc	tgctatcagg	atttttcaca	360
gaggaaaaga	cagtgggatc	caaaaactgaa	tggtctatca	ataaatgacg	catggtacat	420
ctacacccat	granccattg	tgcattccatg	agaaaaatcc	agatgtagga	aggtatgtat	480
aattttgcag	aaaagagtat	gtaactggaa	acaccaarga	aaaaaggaaa	tgatctata	540
tatttaggtg	gagatattta	tgtggctgca	gaagaaatat	attattattc	atactagata	600
gttaatgttt	gcctttggtg	ggcaagaaag	gtaaaaaggg	agaaggagc	ccaacccaaa	660
gaggaagagg	aagaaaaaaa	aactgcacta	agaaaaatct	tttaaaagta	tgtgatcaca	720
gccaggtgca	gtggctgaca	aatgtaatcc	cagctacttg	ggaggctgag	gcaggagaat	780
cgcttgaacc	caggaggctg	aagttgcagt	gagctgagat	catgccattg	cactccagcc	840
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<210> 27

<211> 662

<212> DNA

<213> Homo sapiens

<400> 27

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<210> 28

<211> 699

<212> DNA

<213> Homo sapiens

<400> 28

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cctctgggca	gtcagtgccc	agatacttgc	cccaattctt	tgtgtccaag	ccacactcag	540
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tcactcttgt	caccagggct	ggagtgcaat	ggcaggatct	tggctcattg	caacctccac	660
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<210> 29

<211> 1637

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (726)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (727)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (728)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (899)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (901)

<223> n equals a,t,g, or c

<400> 29

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tcgtcacttc	tttgattggg	gctttgatcc	ctgaaccaga	agtgaaaatt	gaagttctcc	240
agaagccatt	catctgccat	cgcaagacca	aaggarggga	tttgatgttg	gtccactatg	300
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<210> 30

<211> 2142

<212> DNA

<213> Homo sapiens

<400> 30

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<210> 31

<211> 1564

<212> DNA

<213> Homo sapiens

<400> 31

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<210> 32

<211> 1631
 <212> DNA
 <213> Homo sapiens

<400> 32

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<210> 33
 <211> 978
 <212> DNA
 <213> Homo sapiens

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 <222> (2)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<400> 33

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cgacttctctg	agctcaggtg	atcttcccac	ctcagttctc	tgagtagctg	ggactccagg	420

tgtgtgccac	catgcctggc	taaatTTTTg	tatttttatt	agatacaggg	tctcaccatg	480
ttgccagac	tggctcttgaa	ctcctggggc	tgcccacctc	agcctcccaa	agtgcctagaa	540
ttacaggcat	gtgccaccat	atccagccta	ataacattgt	ttttaatgtt	cattaagtca	600
tcccaccctc	tcagtcttgc	agaagcctct	caagagggac	agaatcagtt	gcaaagtacc	660
atttctgacc	ctgagacatg	gatattatTT	gttcatttaa	atgtcacctg	aaaaaccac	720
tcactcaaat	ggtctgtgaa	gcttgcaaaa	acaggaatgc	ttaccctcct	gggtcctgaa	780
tttttggttc	tcttggaactc	tttgaaattc	ttcttttctca	gaaaggagcc	ctctttctat	840
ttccctcaa	agttgtgact	tgacctcac	atccctttct	tctccagggc	cccttgataa	900
gattctttta	aaattttctt	ggagggcatc	ccttttagga	agacggacgc	gtgggtcgac	960
cgggaattcc	ggacggta					978

<210> 34

<211> 898

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (452)

<223> n equals a,t,g, or c

<400> 34

gaattcggca	cagagattatg	tagtagatgt	cactagaatt	cttgaaattt	gtcttcaagt	60
catggcagta	tttcagtatc	gctccttttg	gattgcctga	gtgataactca	agagtttagac	120
tagttttatc	tgggttcttt	gaagaaccgg	ggacacctca	ctgggttatg	ttgaatttct	180
gcactgcagg	gaccaactat	aaatggtggt	tttggttttt	tacgtgttaa	gagctttaaa	240
atgtaattct	tcctatcatt	catgcacaaa	tgttctcaca	caaattgctt	cacagattga	300
taaaactttg	aataattttt	ccctgaagaa	atgttgaact	tttctgcaag	ctgttggaat	360
kggagcgct	gttgaaaggc	ytgaakggga	ccgtactgta	cngcctawtt	cttttaaaaa	420
aaattawgat	ttcyattttt	watycattta	cngatgactg	aatakgttyca	ggccagaaaa	480
tatccccctta	tttcaaaatg	cagcaatcta	taaacaaaat	acttgccatt	tttctaaatg	540
acaccttttt	ctataatttg	tatagaaaat	taagtgcag	ggccaggcac	cgtgtaacgc	600
ctgtaatccc	agcaactttg	gaggccaagg	cgggtggatc	gcctgaggtc	agtagttcaa	660
gaccaccctg	gccaacatgg	cgaaaactcca	tctctactaa	aaatacaaaa	caattagcca	720
ggtgtggtgg	cagacgcctg	taatcccagc	tacttgggag	gctgaggcat	gagaatcact	780
tgaaccagg	aggcagaggt	ggcagtgagc	tcagatggcg	ccattgcact	ccagcctggg	840
taacaagagt	gaaaactgaa	gctgtctcaa	aaaaaaaaaa	aaaaaaaaaa	aactcgga	898

<210> 35

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (311)

<223> n equals a,t,g, or c

<400> 35

cagcctcatc	tcctgttggc	cccttgatatg	taccctgtgt	ttgagttgta	atgaaccctt	60
gcttgtccat	aatcttttct	ttaactcctg	tgttctcttc	tcctcctttg	cagagccttc	120

actttctgct	taaagtggac	cttgacttct	ctttatcttg	ctccatttgc	acctgaaact	180
tgtcctcaac	tgcagtgcta	attccttggt	aatgttttat	aactttgtca	ggcagctaga	240
cactgtaagt	atagaacatg	ctgggaaatc	caaattaaaa	atgacagttg	gcacaaagct	300
gacttctggg	nagggaccaa	ggaaaagtag	ccagagtggc	aggatagctg	cttccatcac	360
ggattgccag	caatgtaaag	cgtagactcc	agaggaacag	tgctaactta	aattaactat	420
gcaggcatca	gtacttctgg	ttctgatggc	ccggggattt	ctaagtagta	gtgagtctca	480
gcattatttg	ttatacagtc	tactgctaga	tgaacaaggc	taagtctaca	gagaaggtaa	540
attatagaaa	ttaggccccg	tctctgctaa	gaatacaaaa	aattagccgg	gcgcggtggt	600
ggggtcctgt	gggtcccagct	actcgggagg	tgacgcagga	gaatggcgtg	aacccgggag	660
gcggagcttg	cgggtgggccg	agatagcgcc	actgcagtct	ggcctgggcg	aaagagcgag	720
actccgtctt	aaaaaaaaaa	aaaaaaaaact	cgta			754

<210> 36

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (483)

<223> n equals a,t,g, or c

<400> 36

gaattcggca	cgagcggcac	gagccacctt	ctcagtcacg	tctatgggta	tgacagttta	60
tctgctgaaa	acccatcctt	gcttctttgt	tgccctaccg	atgcaggtcg	cactcataat	120
cctccttccc	ggactcagga	acagcaagac	tgttactatg	ccattgtccc	ctgccctcct	180
tcccaccctc	cttttttttc	cctctcccac	tcccttcttt	cacccctttc	tttctgtttt	240
atgctgcttc	aagtattaat	tttaaaattg	ttctacaaga	atgcgattta	tcagaaggat	300
gtgaaccaag	cagaatttct	tagtatttct	ttgccttagg	gcattcccct	tgtgtggktt	360
aaaatttgtc	ccccattcct	ttttgcctgt	ggaacttatc	cttattcttc	aagagactcc	420
tamtccctaat	agcactttga	atttaacctc	cctggtagtt	cttctcagcc	aaatttcacc	480
ttnctgaaaa	caggattctc	tgttctccat	gtctggctaa	tttttgtatt	ttttgtggag	540
acaaagtctc	actatgttgc	ccaggcagg	ctcaaacacc	tggccttaag	ccatcctccc	600
accttggcct	cccaagtgct	gggattataa	gcattgtgcca	ctggaccag	ccagagacct	660
tgtctcttta	aaaaaaaaaa	aaaaaaaaaa	aaactcgta			699

<210> 37

<211> 971

<212> DNA

<213> Homo sapiens

<400> 37

gccaccgagc	cgcagttcct	gggtcgcgcg	gcagctgtga	gcgcgcgagg	caaggcgggtg	60
cagaccgcca	tcttgggcgg	cgccatgagc	gtgggtgtcg	cctgcgtgct	cctgaccag	120
tgccctcagg	atctggcgca	accccgacgg	ggcgccaaga	tgteggacca	caggagagagg	180
ctgaggaact	cggcctgcgc	cgtgtctgaa	ggctgcaccc	tgctatctca	ggctttaagg	240
gagaggtcct	cgcccaggac	tttaccgcca	gtgaattcca	attotgtgaa	ttagcaccct	300
acccccatac	cccttcttcc	acccccagac	taaaggaaga	tacttactct	ctgcccctct	360
ccattttatac	caaagaaatc	ataggtgaaa	ccccctaccc	tccccacgt	taaatgctcg	420
agaggaatct	tccacaaggc	aggccatg	acgcaacctg	cacacgcact	tggagggcc	480
aggtgtctct	ccaccagccc	ccatgcagta	gggactggaa	gatatgtcat	ctgctggttg	540
tgttatcact	ccccccccct	accccagccc	gtsttcggga	atttctcaac	taaatttsat	600
tattgggcag	gaaggaggtc	atgggttcat	ttcatttttg	ttttttgtgt	ttttaattaa	660
aagaaagggt	acctcagttt	tcactcctta	gacatggatg	tagctacctt	tttttgtatg	720
tctttttttt	tttaagcaat	cgtgttgaat	taggagtata	cttgggtgtg	aaagagtatg	780
aatttgccat	gtgatttgca	aatgggggga	agctactgtg	agcgtgtgtt	tttttaattt	840


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acactataga gtgatttttt tttcccccaa cgtcaagttt ttaccttgca tgtactggag      900
tattttatttc atctattaaa atgttatgtt tctcagaaaa aaaaaaaaaa aaaaaaaaaa      960
aaaaaactcg a                                     971

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```

<210> 38
<211> 872
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> n equals a,t,g, or c

```

```

<400> 38
tngcagttct ccacaccgaa gaggacggtg ggcgccaaca gacaggcgat taatgcggct      60
cttaccagg caaccaggac tacagtatac attgtggaca ttcaggacat agattctgca      120
gctcggggcc gacctactc ctacctgat gcctactttg tcttccccaa tgggtcagcc      180
ctgaccyttg atgagctgag tgtgatgac cggaatgatc aggactcgct gatgcagctg      240
ctgcagctgg ggctgggtgt gctgggtccc caggagagcc aggagtcaga cctgtcgaaa      300
cagctcatca gtgtcatcat aggattggga gtggctttgc tgetggtcct tgtgatcatg      360
accatggcct tegtgtgtgt gcggaagagc tacaaccgga agcttcaagc tatgaaggct      420
gccaaaggagg ccaggaagac agcagcaggg gtgatgccct cagccccctgc catcccaggg      480
actaacatgt acaacactga gcgagccaac cccatgctga acctccccaa caaagacctg      540
ggcttggagt acctctctcc ctccaatgac ytggactctg tcagcgtcaa ctccctggac      600
gacaactctg tggatgtgga caagaacagt caggaaatca aggagcacag gccaccacac      660
acaccaccag agccagatcc agagcccctg agcgtggtcc tgttaggacg gcaggcaggc      720
gcaagtggac agctggaggg gccatcctac accaacgctg gcctggacac cacggacctg      780
tgacaggggg cccactctt ctggaccct tgaagaggcc ctaccacacc ctaactgcac      840
ctgtctccct ggagatgaaa atatatgacg ct                                     872

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```

<210> 39
<211> 608
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (10)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (16)
<223> n equals a,t,g, or c

```

```

<400> 39
ccatacgcan accgcntctc cccgcgcgtt ggccgattct tatggcagct ggcacgacag      60
gtttcccgat ggaaagcggg cagtgcgcgc aacgcaatta atgtgagtta gctcactcat      120
taggcacccc ggcttttacac tttatgcttc cggctcgatg gktgtgtgga attgtgagcg      180
gataacaatt tcacacagga aacagctatg accatgattt acgccaagct cgaaattaac      240
cctcactaaa gggaacaaaa gctggagctc cacgcggtgg cggccgctct agaactagtg      300
gatcccccg gctgcaggaa ttcggcacga gtttgggtgg agtttccaag gtgaaagttt      360
ctgaattggg caatcagtga cgcctttgta aagatggctc atgtggtggg cgctcgcaat      420
gaatgcctga taagggtctt tctgtttctt ttgcaactgtg taagtttgct cccatcgctt      480
ggggaagtta atatcagaca cacacttttt acggtagaag agaggttgac tactccaagg      540

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gcactgaaac tctcactgag ccttattggt tctctacacg cgamttgcag aaagcaggag 600
tgctcgta 608

<210> 40
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (850)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (851)
<223> n equals a,t,g, or c

<400> 40
ctgtaatagc acacaactca gaactcttca gcatttgtgt gattccttac ctctggctga 60
taaaactcta atgggttggt gcttactttg tttccatttt ctttggcttt gtgcaatttt 120
tgtgtaactt tacttgtacc tatattttct gtttacagtt ctttttaagg ggaggggtag 180
ggttctaaga tcttgttggt tattgtagat aaaaattttt tctgtgtgta gaaaagcatg 240
ggttatgcgt ttgactgaaa aagacactgt attatttacc aaaggggtat tgtttttgca 300
tttgtttata aatgcattat tttggtagct taaatttgga cataatttct gagtttatta 360
ctactggcat tttctttttc cttttttttt ttttttaacc gtaagtgcac gatgcagggtg 420
cataggcccc agaccaaact agaccaccag catgttcacg tccagacctc ggcagtggcg 480
tgcactgctt gtgcacctca gttcctccag tgttggtttg tttgtttttt aattcagcat 540
cctgctgggt ttactttcca agcaagatct gttgcgactc ccaaatgcgt ttaaatgagc 600
tcctccttat ttgcctttct tcttacgtat tttgtgtatt agattgtgca ggagatatc 660
tagaaggcat taatggtttg cattcaaaac gatgtggttt gtccaagtta ttttctgtct 720
ttattactga gacggattaa tctccttatt tttttcttga tgatttgaag ttgtaacagt 780
tgtccagcta ttgcttaata aaattttgca gatcaaaaaa aaaaaaaaaa amctcggggg 840
gggccccggn nccca 855

<210> 41
<211> 1042
<212> DNA
<213> Homo sapiens

<400> 41
acggcccgtg attcccgggt cgayccacgc gkccgtgctt cctagaaggt cgtgtcacgt 60
ggaacctctt aatctcagca tccggagctc caggaaggga aaatttcaag tcagatagaa 120
ttctatatat accatttctt tggaaccttc agccctcaag attccaacat catgacctca 180
gtttcaacac agttgtcctt agtcctcatg tcaactgctt tgggtgctgcc tgttgggaa 240
gcagtagaag ccggtgatgc aatcgccctt ttgttaggtg tggttctcag cattacaggc 300
atthgtgcct gcttgggggt atatgcacga aaaagaaatg gacagatgtg actttgaaag 360
gcctactgag tcaaacctca ccctgaaaac ctttgcgctt tagaggctaa acctgagmtt 420
tgggtgtgtg aagggttcaa gaatcagtaa ataaggaggt ttcacatttt tcaattgttc 480
catgaaatgg caacaaacat acatttataa attgaaaaaa aaatgttttc tttacaacaa 540
ataatgcaca gaaaaatgca gcctataatt tgctagttag gtagtcaaag aagtaagatg 600
gctgaaattt acataagtaa tatttcataa tcttagaatt ctctcaaagc atgtgaaata 660
ggaagaagga agttcttgcc cagaatctta ggaaatcacc actgttcggg tataatcact 720
gcctcctgaa tcgttgagga gtcttttaaa ttagattttt gttttgttgt ctcccaagtt 780
aatattatat ttagatatca gagagtcagg yaaaaaggaa aacttttatc tctagggaaa 840
aaacatttag aaaaatgtat tcagtgtatc taatactgaa atgcggaaaa aaatttaattg 900

```

ttaaaaaaaaa actatagaca ttgacatgga aaagagattt aatgttttga aaaaaaactt      960
tatattaact gagtaacatc ctctgatga gaagtactat attaaatata aaccattat      1020
gttataagtt aaaaaaaaaa tt                                           1042

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<210> 42
<211> 702
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (515)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (614)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (673)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (677)
<223> n equals a,t,g, or c

```

```

<400> 42
gggacaatga actccttctg gtctaagtta ttggtgctgc ccctgctggc tccgctgtcc      60
atggcccag cctctgcctg tcagagatgg tagagccacc aggacatgga gtcattgctg      120
acacagggaa acatgagatg tcttaggttt ggtgtatgtg aaacatgcat gagaaataga      180
ggccaaaagt tccactgtgg agcgcagaca gaatggctctg aatgctcttg cagttactac      240
gtcagtagtt tgtcatctaa tatatattat acatctataa cctatgtatt taccttattg      300
tgataatact gttttgtttt gttttttttc taattttgct ttgtgcaaag ccaaaccct      360
ttcagcagca ttgagctaaa aaaaaaaaaa agtgcagtgt tagggctggg cacgggtggct      420
catgcctata atctcagtac ttcgggaggc cgaggcaggc ggatcacaag gtcaggagtt      480
cgagaccagc ctggccaata tggtgaaatc acgtntctac taaaaatata aaaattagct      540
gggcatgggt gtgggtgcct atagtcccag ctatgcggga ggctgaggca ggaaaaaccg      600
cttgaaccct ggangcgga attcccagtt gagccaagat cgcgccactg cactcccagc      660
ctggttgaca gancganact cttgtctcca acaaccagca ac                                           702

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```

<210> 43
<211> 642
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (593)
<223> n equals a,t,g, or c

```

```

<400> 43
aattcggcac gagcggcggg gtcgactgac ggtaacgggg cagagagget gttcgcagag      60
ctgcggaaga tgaatgccag aggacttggg tctgagctaa aggacagtat tccagttact      120

```

gaacttttcag	caagtggacc	ttttgaaagt	catgatcttc	ttcggaaagg	tttttcttgt	180
gtgaaaaatg	aacttttgcc	tagtcatccc	cttgaattat	cagaaaaaaa	tttccagctc	240
aaccaagata	aaatgaattt	ttccacactg	agaaacattc	aggggtctatt	tgctccgcta	300
aaattacaga	tgggaattcaa	ggcagtgacg	cagggttcagc	gtcttccatt	tctttcaagc	360
tcaaattctt	caactggatgt	tttgaggggt	aatgatgaga	ctattggatt	tgaggatatt	420
cttaatgatc	catcacaaag	cgaagtcacg	ggagagccac	acttgatggt	ggaatataaa	480
cttggtttac	tgtaatagt	tgctgttcat	ggaaaccgag	ggctgcatct	tgtttatagt	540
catctttgta	ctgtaatttg	atgtacacaa	cattaaaagt	actgacacct	ganaaaaaaa	600
aaaaaaaaaa	aaaaaaaaaa	aaagcgcccg	ccgaattaag	cc		642

<210> 44

<211> 1219

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (26)

<223> n equals a,t,g, or c

<400> 44

aattccccggg	tcgaccacag	cgtcnnctaa	aatccccaaa	ctgacaggta	aatgtagccc	60
tcagagctca	gcccaggca	gaatctaaat	cacactattt	tcgagatcat	gtataaaaag	120
aaaaaaaaaga	agtcatgctg	tgtggccaat	tataattttt	ttcaaagact	ttgtcacaaa	180
actgtctata	ttagacattt	tggagggacc	aggaaatgta	agacacccaa	tcctccakct	240
cttcagtgtg	cctgatgtca	cctcatgatt	tgctgttact	tttttaactc	ctgcgccaa	300
gacagtgggt	tctgtgtcca	cctttgtgct	ttgcgaggcc	gagcccaggc	atctgctcgc	360
ctgccacggc	tgaccagaga	aggtgcttca	ggagctctgc	cttagacgac	gtgttacagt	420
atgaacacac	agcagaggca	ccctcgatatg	ttttgaaagt	tgcttctga	aagggcacag	480
ttttaaggaa	aagaaaaaga	atgtaaaact	atactgaccc	gttttcagtt	ttaaagggtc	540
gtgagaaact	ggctggtcca	atgggattta	cagcaacatt	ttccattgct	gaagtgaggt	600
agcagctctc	ttctgtcagc	tgaatgttaa	ggatggggaa	aaagaatgcc	tttaagtttg	660
ctcttaatcg	tatggaagct	tgagctatgt	gttggaagt	ccctggtttt	aatccataca	720
caaagacggg	acataatcct	acaggtttaa	atgtacataa	aaatatagtt	tggaattctt	780
tgctctactg	tttacattgc	agattgctat	aatttcaagg	agtgaagatta	ttaaataaat	840
gatgcacttt	aggatgtttc	ctatttttga	aatctgaaca	tgaatcattc	acatgaccaa	900
aaattgtggt	tttttaaaaa	tacatgtcta	gtctgtcctt	taatatgctc	cttaaataag	960
ctatgatatt	aatcagatca	ttaccagtta	gctttttaaag	cacatttggt	taagactatg	1020
tttttggaag	aatacgctac	agaatttttt	tttaagctac	aaataaatga	gatgctacta	1080
attgttttgg	aatctgttgt	ttctgccaaa	ggtaaattaa	ctaaagattt	attcaggaat	1140
ccccatttga	atttgtatga	ttcaataaaa	gaaaacacca	agtaagttat	ataaaataaa	1200
aaaaaaaaaa	aaaactcga					1219

<210> 45

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (427)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (437)

<223> n equals a,t,g, or c

<400> 45

gaattcggca	cgagggcggc	accaggggagc	ctggggcgccc	gggggctccgc	cgcgaccccca	60
tcgggtagac	cacagaagct	ccgggaccct	tccggcacct	ctggacagcc	caggatgctg	120
ttggccaccc	tcctcctcct	cctccttgga	ggcgctctgg	cccatccaga	ccggattatt	180
tttccaaatc	atgcttgtga	ggacccccca	gcagtgtctt	tagaagtgca	gggcacctta	240
cagaggcccc	tggtccggga	cagccgcacc	ccccctgcc	actgcacctg	gtcacaaaa	300
agagtgaac	aaatgcttct	attccatagc	tacggcattg	ctcagtaagt	tgaggtcaaa	360
aataaaggaa	tcatacatct	caaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	420
annaaanaaa	aaaaaan					437

<210> 46

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (305)

<223> n equals a,t,g, or c

<400> 46

gaattcggca	cgaggaccct	atcttacaaa	aaagaagaag	aagaagaaaa	ccatgacagg	60
tgtctttaag	ctgcccttgc	tgttctgggt	tcatgaagca	tctgtgggag	gttgcccata	120
tgtaaaatta	gttgagtttg	aagaaatgtt	aacgttatat	ggtattcttt	taattttgtt	180
ttaaaaataa	tttttctcat	tcaaatcctg	aattagaagt	tgtttggtat	aaatattgaa	240
aattgttgag	gggagaattt	attcaaagtt	taatcatttg	ctttatctat	gttatactta	300
gctantagtt	actggaagtg	tcaagtttta	tttttagatc	ttaactagag	tctaaagtaa	360
ttactaaaag	ctagttttca	aataatatgt	aagagtaaag	tcctgagtta	aaagatttag	420
catactgaat	taacttagtt	gactgatgct	gtacttacat	gggcctccta	tttcttgagg	480
ccaagatagc	atcaacagaa	aaaaaamaaa	aaaaaaactcg	aggggggggccc	cgg	533

<210> 47

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1300)

<223> n equals a,t,g, or c

<400> 47

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<210> 48

<211> 926

<212> DNA

<213> Homo sapiens

<400> 48

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cacatcttct	ggaagcattg	aaatccttag	caccagcggg	tattgcagat	gtccactttt	180
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ttcatggcta	gtgttatagc	ttccgtctgt	aaacttgtat	tttcaagaat	ccttgggtatt	360
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aaaaaaaaa	aaaaaaaaa	ctcgta				926

<210> 49

<211> 1593

<212> DNA

<213> Homo sapiens

<400> 49

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cgctgggagg	cgctgcgggg	caccaggtct	ctgcagtcag	cggcgcgccg	ggaatcctgt	360
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gcttattttt	tgaaatgtac	tatcttaatg	cttaaattat	atttcccttt	aggctgtgat	1500
agtttttgaa	ataaaattta	acatttaata	tcaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1560
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<210> 50

<211> 978

<212> DNA

<213> Homo sapiens

<400> 50

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caagcctggg	gcttcggctt	cgggtctctc	ctgcaccctg	ccggtggctc	cttcatccaa	180
tgccacccaa	agatgggtgac	tcctgtctat	gcccgtgtcc	tggggctgcc	ccagcaaaac	240
accacagacc	agggcttaca	caaggtgcgt	gtatttcctc	atggctcctag	aggctggagt	300
cggaggtcac	agtgtcagca	gggttggtct	cctcgargtc	cctccttggc	ttgtggccgc	360
caacaacttc	ccgcactctca	tgtgtgtctc	cttctgtgtg	ggtccccaty	tygtcttctt	420
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ccttagacat	ctgtctctaa	gtagtcacat	ctgggattac	ggcgtgagcc	atgttcccgc	540
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gtcttagctc	tttctctatt	atgttatcat	cctccctttt	ttgtacaata	tgttgtttac	660
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ttaaaacctt	gaagggtctgt	cataggactc	tggaacaatct	cacaccttag	ctattcccag	780
ggaaccccag	ggggcaactg	acattgctcc	aagatgttct	cctgatgtag	cttgagatat	840
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aaaaaaaaaa	aaactcga					978

<210> 51
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (424)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (430)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (431)
 <223> n equals a,t,g, or c

<400> 51						
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gggacaggca	caagggaagc	ctccagcccc	ttttctgcca	caagcaagag	gcactcagcc	180
ctacctgaga	tgtgttattt	tttagaaata	tctttattga	tggctcttgc	actcaatata	240
aaggcagcat	atgggtgttg	caatataaat	ggtacagaag	tccacagagc	aaaagggcca	300
gtttctgtcc	cctttcctct	ctccaggcct	ctttctggga	ccccattatt	ggatagatta	360
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<210> 52
 <211> 861
 <212> DNA
 <213> Homo sapiens

<400> 52						
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tcatcatcat	ccaatttatt	cctttagttt	atattaccac	aactctccta	aacgtcccaa	480
gtctattatt	aagtctaaca	acttagcttc	gaacctcaat	ccaagcatct	gacaacacac	540
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tatggtgaag	ccatgtctmw	actaaaaata	caaaattagc	cggacattgt	ggtgcacgtc	720

tgtcatccca	gcaaggcagg	cgaatcgctt	gaacccggga	ggcggagggt	gcggtgagcc	780
gggatcgtgc	cattgcactc	cagcctggtc	aacagagcga	gactccgcct	cattaataaaa	840
aaaaaaaaaa	aaaactcgta	g				861

<210> 53
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (380)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (396)
 <223> n equals a,t,g, or c

<400> 53						
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cccacgtttt	atttccctc	agagctgtga	atgggcagg	ctgtctctgg	tttggcatca	180
ctgagttttt	cccatgcatt	ggccccagg	ctgctaggat	gtgagacaaa	tctccctaca	240
atgggcttgc	tcccattgtc	tgtacagt	aatagatgct	ggcatgtcgg	aggttaccca	300
tgagtcaaaa	tccgctctcc	atgcttactc	ttgacacccc	attgaagcca	ctcattgtgt	360
gtgctgtctg	gtgtgaagtn	ccagctccgt	gtggtncctg	tgtttgtact	gyccctgctt	420
tgcagttcct	ttgcacttac	tcatcgagt	ctgttttgaa	atgctgacat	tatataaacg	480
taaaagaaaa	aaaaaaaaaa	aaaactcgta				510

<210> 54
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (301)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (305)
 <223> n equals a,t,g, or c

<400> 54						
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tcaatctttt	taaaatcaac	tttaacgaat	ttaaaccctat	tttaagtgtg	caagtaataa	180
gtttgacaat	tgtatgtgac	ttctaccaca	ataaaatata	gaacattttt	atcattctat	240
aaaaaaaaaa	aaaaaaaaac	tcgagggggg	gccccgtacc	caattcgccc	tatagttagt	300
ngtancgtc						309

<210> 55
 <211> 1585

<212> DNA

<213> Homo sapiens

<400> 55

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gtaacttcca ggtttatatc aatatgagct gactttaact gagttgtttg ggatagggaa      180
gaagcagtcc ctctacagta tacaactact gcttgccagc tggatcaaaa taatcatgtt      240
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<210> 56

<211> 874

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (546)

<223> n equals a,t,g, or c

<400> 56

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gacttcgtgc aggagatgcg cgccgtgggc gagaggctgc tgctcaagct gcagagactg      180
ccccaggctg agcccgtgga gategtggcc ttctcagtc tcatcctttt cacagctact      240

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gttctgctgt	tgctgctgat	agcctgcagc	tgctgctgca	ctcactgctg	ctgccctgag	300
cggagaggca	ggaaggtcca	ggtgcagcog	acaccacat	gacggacggg	cgatggctga	360
ggagaagctg	gagaggagat	ggccaatgcc	atgacacagg	ccatcagcct	ggccctgcag	420
cccttaccac	tcaagaccag	gctccccctg	ccccagctct	ggcccagncc	caggtacctg	480
gacactgaca	acttgagccc	ntaccaagga	aacaagggct	ggtatagggt	caaacctctc	540
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<210> 57

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<400> 57

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aagtacaact	tttgaaagtc	tattcccagc	aaaagaaaca	ctagaccag	cttggccaaa	480
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ggtgatgga	cccccgccgg	gtcacagcct	gctgtcacgt	ctggactggt	ggcctcttct	780
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ccggtgctgg	ctgcactctc	atttgtgagg	ataaccctt	ccttcttctt	ttctcccaat	900
acctccagcc	ccatcatcct	gagataatga	agccgttcat	tcttgggcac	aaaagttcga	960
atggaggcct	ttccccgcca	tccgcataag	acgatgggac	actgcagagc	gtctggattc	1020
gcagaatctg	gttcataact	cagcacgatg	cttccctttg	ccaggtcctt	tgcttgactg	1080
taggtctcac	tgctgagttt	tctaaaaaag	ggattttcct	gggtcaacag	tatcttaaca	1140
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<210> 58

<211> 1066

<212> DNA

<213> Homo sapiens

<400> 58

gaattcggca	cgagcaaatg	ttgaaccaat	tatgttttgg	tggtggtggt	cttagctggt	60
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gaatcctgaa	tggtttataa	agtgaactag	ctggcttaat	gcagccagcg	ttctgggcag	120
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<210> 59
 <211> 772
 <212> DNA
 <213> Homo sapiens

<400> 59						
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cctgaccacc	cagctgggat	ggatatagag	acagggtgtca	tggtgcagaa	agcctgcctc	720
aagaggccct	actggtgttt	tcctttatta	aaaaaaaaaa	aaaaaaactc	ga	772

<210> 60
 <211> 1198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1189)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1191)
 <223> n equals a,t,g, or c

<400> 60						
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cagcaaatga	gacaggttgg	acagttttta	aatctcttct	aacaaagaaa	ctgcacggta	480
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tgacaaaaatc	atttttcttt	ctttcttttg	gatgtattaa	taaatcttgc	tgtgaagtaa	1140
aaaaaaaaa	aaaaaaactc	gagggggggc	ccggtaccca	ataaccctnt	natgatct	1198

<210> 61
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 61						
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gctttgagct	catgggtgaa	gtgaccatcc	gctgcatcct	gggacagcca	tcccactgga	180
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cctacattta	catcacaaga	tgctgctact	attccaacct	ccgcctgcct	ctgatgtact	360
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<210> 62
 <211> 616
 <212> DNA
 <213> Homo sapiens

<400> 62						
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tttcagccat	caaccagctg	caaaacaaga	tgggcttcct	tttctacat	attcttccaa	180
gcatcataaa	tactcggctc	gctccccaac	ccacatcctg	caggatgcag	ccagagcaac	240
agccccactc	cactctgaaa	ccagtcaccc	tagggatgat	gatcatttct	tagcttcctc	300
gttggaggtc	ggttgggggt	ggctgatcgc	tgcttgggtc	actcctgcac	tggctgggag	360
ttggctgcat	ggtaaagctg	ttccctgtct	catcctgttg	ggataaacag	agtatcctag	420
gcatattttc	tccagagcag	tggcagacac	aaagggtcaa	cagaaaccct	caaggttttg	480
tcatgcctac	tcttgcaact	agcacattgt	catttcagcc	tcatgctatt	gaccaaagca	540
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<210> 63

<211> 811
 <212> DNA
 <213> Homo sapiens

<400> 63
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 aagtgatgtc agggctagtg ggtggcggta gcaggctcag taaagtcagg ttcagatgct 180
 tcaatggtga ctcccttctc gtgttagtcc tacagcatca tttcagactt tgttcttggt 240
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 aagaccctgt catctatgat gatgatgacg acttgcctaa ttatttttct gtttaagcta 360
 gccatagtgg atcctgttat ttgtgcctaa gagctcttac tgacaaagaa cgtgttaccg 420
 gaagtgggat gctacaagta acaacactaa aagtagaatt gactaagtgc agcaggcagg 480
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 gacttcttgc tctttcagca gtcttgatag agcagctata cccacaccag agtcctccag 720
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 aggtccaagt tgaccgagag cccaaatttt g 811

<210> 64
 <211> 993
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (370)
 <223> n equals a,t,g, or c

<400> 64
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 aaaaagtctc catcacattt ttccccagag gttagggggga ttatscccag ttttgggatg 180
 ttgaatgtca ccctcttaag gagcctcaca tgaaacacac gttgagattc caactctctg 240
 gacaaagcat cgaagcagaa aatgagcctg aaaacgcatg cctttccacg gattccctca 300
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 tacctgacan gcagcttgat gtgactgctc gtggagttta tgccccagag gatgtgtaca 420
 ggttcctgcc gactagtgtg ggggaatcac ggacacttaa agtcaatctg cgaaataatt 480
 cttttattac acactcactg aagtttttga gtcccagaga gccattctat gtcaaacatt 540
 ccaagtactc tttgagagcc cagcattaac atcaacatgc ccgtgcagtt caaacccaag 600
 tcccgcaggc aaatttgaag ctttgcttgt cattcaaaca gatgaaggca agagtattgc 660
 tattcgacta attggtgaag ctcttggaag aaattaacta gaatacattt ttgtgtaaag 720
 taaattacat aagttgtatt ttgttaactt tatctttcta cactacaatt atgcytttgt 780
 atatatatatt tgtatgatgg atatctataa ttgtagattt tgtttttaca agctaatact 840
 gaagactcga ctgaaatatt atgtatctag cccatagtat tgtacttaac ttttacagggt 900
 gagaagagag ttctgtgttt gcattgatta tgatattctg aataaatatg gaatatatatt 960
 taacaaaaaa aaaaaaaaaa aaaaaaaaaa att 993

<210> 65
 <211> 689
 <212> DNA
 <213> Homo sapiens

<400> 65
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tggtttttgg	gggccatggc	aagtgcaggc	ttgtcagagg	aattggagaa	gcagggatta	180
gtaggaaaa	cctctccact	tcttggtgtt	catgccaggt	agtgtttgta	acttcagaac	240
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agctctcttg	atggaggga	taccacgggt	atgattgaat	atgaaaagtc	ttggcacagt	540
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ggcattgaga	ccatccttgg	ccaccaaacg	agaccccatc	tctacaaaaa	aagaaaaaca	660
aaacccaaaa	aaaaaaaaaa	aaactcgta				689

<210> 66
 <211> 942
 <212> DNA
 <213> Homo sapiens

<400> 66						
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cgtgccactg	cactctagcc	tgggtggcag	caagaccttg	tctcaaaaaa	aaaaaaaaaa	900
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<210> 67
 <211> 2309
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (652)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (677)
 <223> n equals a,t,g, or c

<400> 67

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aggagtcaga tggcagtgat actgaggatt ttggctctga tcacagtga gactgccttt      420
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gcatggcctt ggagagagac tctgggctct tggctcagat gtgttcatca aatactcctt      2160
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<210> 68
<211> 814
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (421)
<223> n equals a,t,g, or c

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<400> 68
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tatattgact ttgggccaac ggattccaat attttacaaa aaggcaatat ccacgcaaca      180
tattccagat tcgggttggt gagaagctgc agggcttgag gtgactctat cacaactgct      240
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tgctccactg ccacaggtgg atatttcagg ggaattatta ttaatttcaa agttttttta      360

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aaargytatg	ataagtaa	aaaagta	gtaggaktca	cggtcggaga	gcttatcgcc	420
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caccctctga	tctttccccc	atcccatctg	aggaagttaa	agagatccct	cacaggta	540
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<210> 69
 <211> 788
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (370)
 <223> n equals a,t,g, or c

<400> 69						
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agaacatttt	ccctcttctt	ttaaaaagtt	tttaaaatga	gggttagact	cttgtaggaa	360
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gtaatcaaga	ctcttattaa	atatgaacaa	atgtaatgta	tggaaattaa	tgttttaccct	480
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aggattttata	gctaattgtat	tttttaatta	tattcactaa	tacttgtaaa	agatcattca	720
at ttataaa	tttccaaaat	aaacctgttt	aaagtg tcaa	aaaaaaaaaa	aaaaaaaaaa	780
aaactcga						788

<210> 70
 <211> 791
 <212> DNA
 <213> Homo sapiens

<400> 70						
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atgtacccat	cacccaaact	cagcagcttt	caagaagctt	ttcttttttt	ctttcttatt	180
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taaccttagg	at ttttagtt	ttaatgtaga	gtttcacaaa	tttccatctt	tagtaagaca	300
aaagggtcac	atattggctg	tctccttcaa	ctatactttc	ttcagtataa	aatatgttta	360
ccatggttgt	cattatcgag	cacgtaactg	catgttagac	tctatgctaa	gtgttttaca	420
taatcattta	aagctcacta	aggccctagg	agtaattatt	atcctcccat	caaaaaggta	480
agtgaatgtg	taacctgaag	tttgactact	ttaggtctct	gagctagtaa	gtacaatagc	540
caggtttcaa	accaagatcc	ttttaactgc	agcacctgtg	ccttatctgg	tagcgtcatc	600
ttggttcata	cattttaaaaa	agagttatct	atgtgccggg	tgccctggct	catgcctgta	660
atcccagcac	tttgggaggc	cgaggagggc	ggatcaccag	gtcaggagtt	tgagactgac	720
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aaaaagatcg	t					791

<210> 71
 <211> 804
 <212> DNA
 <213> Homo sapiens

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<400> 71
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cattcccagt tcacagagcc cttttctcatt gaactattta tctgagttcc ctctgccgga      180
acatgagcca tgcctagagt agccacctag tagtgagtga cagctctgtg ctggatgcac      240
ataaatggtc tcccttaact gccatgagsc ctaaagaagg tttgctacag ctatttttaca      300
gatggggaaa actgacagag agatattaat gaattgcccc catgcaaata tgtgctgagt      360
cttggatttg catctttatc gtgactccac ggagaccac cctctaagac cagagccagt      420
gtcctattca tcttttgtct ctgcagcgtt cagcatggca ctgtcttggc ttacaaaatc      480
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tttagaatgt ttctcagaca ggctgagaaa aaacacaacg aaacattatt tccgtttggg      600
aagttttttt atttttgtgt tcagtagtga agtaaaacaa aaatctgaat aacagctgca      660
ccgttaaaaa tgaaattacc aatatatgaa ctctagggcat catgcatata taattttttg      720
tagataactt ttcttctcat tttccttctc attctcttca tctttttctt tttgtttgag      780
caaaaaaaaa aaaaaaaaaa tcga                                         804
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<210> 72
 <211> 783
 <212> DNA
 <213> Homo sapiens

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<400> 72
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ctctctctgc tccttggatt ggagtcagtg tgaaaggaac acagtgggct ctgggggtcag      180
ctagacctgg atgtggatca cagctcacct cttcattggg aggcctcagg caagttattt      240
gccaacctca cctacaaaag catgatgcta agctcwtttc agtttagttg tggatatcag      300
agcatatgta tacaatgcct gccatagtga gtgcctggcc cttggcagac tgtcaaatgg      360
agctatggag cagcagcggg agtaatatta ttatctagac cttatctgtc cttttaaact      420
cagttcagat tccttctcct ttttaaatta ctgcaacctg attttacctg cccctgcctc      480
caagttgctg tatcagttag cctctgaaca attcatttag caattttaat tatatattgc      540
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cctgagtgtc gttaattcct gctctaacgg actaaagtaa tttgaaggca ggactagggt      660
ttatgcatgg cacacagtct ggtgccttac atgtaactac tcacaaaactt ttttgatcca      720
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<210> 73
 <211> 1523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (8)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (15)

<223> n equals a,t,g, or c

<400> 73

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ctgttctagc	tttgttaaaa	gttggtgctgc	agactctcgt	gatggttaac	aaagcaagga	240
aaagcaccac	tcaaatacata	atgtttacagt	atctttgttc	agctggatta	tgggttggtg	300
ttgggtcatat	gttagactcc	atacaggcat	agctatgatg	cagtgaatcc	cttagaagtt	360
acaattctca	aattacatac	ttcctcagat	gtaacattag	aactcaatat	ttctaacaat	420
aacataccag	aaaaggctgg	actggcactc	atctgctgac	taacttgtag	cctcagtaat	480
atgacatact	tgccctttaac	aaattatctc	aaattaacta	acagaccttc	agaaaatgga	540
gattcttttt	gatggggaca	taatcaaatt	taagtctgag	aaatatgctt	aacagttgga	600
actcaaatta	aatgtactga	ttttaaaagt	tagacattaa	caagtgatag	attagcctca	660
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ggtgcttctt	tccttgctgt	cttcacatca	agccatgggg	ccaattctat	tttcagtaaa	780
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ttctaatact	gccttcacag	tgtggaaatt	gtgctacatc	cacaaaaaga	gggccccgtc	960
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acagcagcgg	ggacggcagc	caacgaatcc	tgctcgccctc	cgccgatctc	cacaggcagc	1440
gccgctcccc	cgctcgacgt	gcgcttcgcc	cgccgctctc	cttctcccg	acgcgtgggc	1500
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<210> 74

<211> 758

<212> DNA

<213> Homo sapiens

<400> 74

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cggcctttgt	tttttgagac	cttttttatt	ttgttgtcac	ccaggctgaa	gtgcagtggc	180
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caagtaggtg	ggcttacaaa	tgcacagcat	gacacctggc	ttatttttgt	atcttgtgtg	300
tgtgtgtgtg	agccactgcg	caggccttgg	gcagctttct	tgatctctgt	tacctcatct	360
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aacatgtaaa	atgctcagta	caggccaggc	atgggtggctc	acgcttgcaa	tcccagcact	480
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ctgtgggtccc	agctactcag	aggctgaggt	gggagaatca	cttgagcccg	ggagacagaa	660
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<210> 75

<211> 1096
 <212> DNA
 <213> Homo sapiens

<400> 75
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 atgttccgca agctcaacca cctcctggag cgctgcacc agtccttctt cctctacttg 180
 ctccccggcc tctcccgtt cgtctccatc ggctctaca tgcccgtgt cggttcttg 240
 ctctgtgtcc ttggtctcaa ggtctggaa ctgtggatgc agctgcatga ggctggaatg 300
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 gaggtgtgtg tgctgacact gctggcgatt tatgcagctg gcctggccct gccycacaat 540
 acccaccggg tggttaagcac acaggcccca gacaggggct ggatggcact gaagctggta 600
 gcctgtatct acctagcact gcagctgggc tgcatcgccc tcaccaactt ctcactgggc 660
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 tgctgtccct gggcctctac ccctgtctggc tgcttttctg gaatgtgtct ttctggaagt 960
 gagatctgcc tgtccgggct gggacagaga ctecccaagg accccattct gcctccttct 1020
 ggggaaataa atgagtgtct gtttcagcar mwaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
 aaaaaaaagg gcggcc 1096

<210> 76
 <211> 1230
 <212> DNA
 <213> Homo sapiens

<400> 76
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 tgccaggcac tgtgctgaat gcattagatc atcaattatg aatttgacac caaggacctg 180
 gtgtgcctgg gcctgagcag catcgctggc gtctggtaac tgctgaggaa gcaactggatt 240
 gccacaacc tttttggcct ggccttctcc cttaatggag tagagctcct gcacctcaac 300
 aatgtcagca ctggctgcat cctgctgggc ggactcttca tctacgatgt cttctgggta 360
 tttggcacca atgtgatggt gacagtggcc aagtccttcg aggcaccaat aaaattgggtg 420
 tttccccagg atctgctgga gaaaggcctc gaagcaaaac actttgcat gctgggactt 480
 ggagatgtcg tcattccagg gatcttcatt gccttgctgc tgcgctttga catcagcttg 540
 aagaagaata ccacaccta cttctacacc agctttgcag cctacatctt cggcctgggc 600
 cttaccatct tcatcatgca catcttcaag catgctcagc ctgccctcct atacctggtc 660
 cccgcctgca tcggttttcc tgtcctgggtg gcgctggcca agggagaagt gacagagatg 720
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 ccatggccag ggcgggccac tgtgtccttg gaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
 aaaaaaaaaa aaaaaaaaaa ggggagggggc 1230

<210> 77
 <211> 911
 <212> DNA

<213> Homo sapiens

<400> 77

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tagaaagagg	gctcctttct	gagaaagaag	aatttcaaag	agtccaagag	aaccaaaaaat	180
tcaggaccca	ggagggtaag	cattcctggt	tttgcaagct	tcacagacca	tttgagttag	240
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tctagcactt	tgggargctg	aggtgggcag	gcccargart	tcaagaccag	tctgggcaac	480
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aaaactactga	ggggagagaa	gttgggggaaa	aaaaggggaaa	acctaaaact	ctccataatc	780
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aaagggcggc	c					911

<210> 78

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (484)

<223> n equals a,t,g, or c

<400> 78

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gccgtacccs	ttgcgcaaaa	gaacraaaga	aatttgccgc	actgaaataa	atttacttgc	420
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<210> 79

<211> 753

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (745)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (752)
 <223> n equals a,t,g, or c

<400> 79
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 cagagcagcc tgtggcctgt aaagcatata tttctaataga ctgcagactg gtgggatcat 180
 aggagccttc tgaatgacca ggactgcttt ctttggagct gatgaaaatg tactctttta 240
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 tttgttggga atagactttc aaaagttgta cttctatcaa gaaacaaaac tgccttgca 360
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 agatgacttt gtgccttttg gaataaaggg taaaataaac tctcccagag taagagctgt 600
 atcgtgaatt gtcatactaa ttattgaggg ggacttatgt gcttttattg aatggagctg 660
 tttacaattt ttatttttaa atgggggttg gatccttgga atatttcaat aaaattgata 720
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<210> 80
 <211> 2138
 <212> DNA
 <213> Homo sapiens

<400> 80
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 ctggacatcc gtcactgctg tgcccctcca gcagagcccc catggactat gaggatgatt 180
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 tgcaatttag caggaggtcc tctactggtg ataccctcac cttggggtaa tggctctaac 780
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<210> 81
 <211> 1327
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
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 <222> (9)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1205)
 <223> n equals a,t,g, or c

<400> 81						
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actatggacc	aaatccaaga	ccagtttaat	gacctgtgta	tcagtgtatg	ctcttctctg	480
gaagatcttg	tggcgaagag	caatctgaat	ccaaatgcaa	aggagttagt	tcctgggggtg	540
aagtacggaa	atatttgagt	agacggggcc	ctcttttggt	ggatgtagca	caatttccac	600
actgtgaagg	cagtattaga	agacttaatt	gtaaaagctc	tcttgctact	gtgttacact	660
tatgcattgc	caaagttttt	gttagtcttg	catgcttaat	aaaagtgtctg	agactgttac	720
taagtaaaaa	gctgtcaaac	atttactgaa	aatagaattg	gccccatggc	ttgatgtgaa	780
gacagcaagg	aaagaagcac	cagtcaagtt	gtgaacaagc	accaaattaa	aagacctaaa	840
ccttaccaaa	ttgtcttttt	ttgaggctaa	tctatcactt	gttaatgtct	aaacttttaa	900

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atcagtacat ttaatttgag ttccaactgt taagcatatt tctcagactt aaatttgatt      960
atgtcccat  caaaaagaat ctccattttc tgaaggctctg ttagttaatt tgagataatt      1020
tgtaaaggc  aagtatgtca tattactgag gctacaagtt agtcagcaga tgagtgccag      1080
tccagccttt tctgggatgt tattgttagr aatattgagt tctaattgta catctgaggr      1140
agtatgtaat tgagrattgt aacttctaag gggttcactg catcatrgct atgcctgtat      1200
ggrgntctwa ccatatgacc mataccamcc cwtaatccca gctgraccaa rgrtacckgt      1260
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tctggca

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<210> 82
<211> 758
<212> DNA
<213> Homo sapiens

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<400> 82
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cgtgatctgc ctgcctcggc ctcccaaagt gctaggatta caggcatgag ccactgtgcc      120
cggcctttgt tttttgagac cttttttatt ttgttggtcac ccaggctgaa gtgcagtggc      180
acaaacacag ttactacag ccttgacctc ctgggctcaa gcaattctgc ctcatgcca      240
caagtaggtg ggcttacaaa tgcacagcat gacacctggc ttatttttgt attttgtgtg      300
tgtgtgtgtg agccactgcg caggccttgg gcagctttct tgatctctgt tacctcatct      360
ataaaatgat gataataata gcttctccct tattggggaa ttgtaatgat taaatgagat      420
aacatgtaaa atgctcagta caggccaggc atggtggctc acgcttgcaa tcccagcact      480
ttgggaggct gaggtgcta gatctcttga ggccagcagt taagaccagc ctggccaata      540
tggtgaaacc ctgtgtctac caaaaaatac agaaagtcag ccaggcatgg tgggtgcatgc      600
ctgtggtccc agctactcag aggctgaggt gggagaatca cttgagcccg ggagacagaa      660
gttgaagtga gccaaagatg cgccactgca ctctagcatg ggctacagag tgagagcctc      720
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<210> 83
<211> 47
<212> PRT
<213> Homo sapiens

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<400> 83
Met Gly Ser Cys Ala Ala Phe Leu Leu Ala Ala Leu Ser Leu Leu Gly
  1                      5                      10                      15

Val Leu Gly Gly Tyr Pro Gly Arg Arg Ala Phe Ile Leu Pro Asn Arg
                20                      25                      30

Arg Ser Leu Arg Gln Trp Leu Glu Val Ser Leu Gly Pro Val Ser
  35                      40                      45

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<210> 84
<211> 37
<212> PRT
<213> Homo sapiens

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<400> 84
Met Asn Glu Ala Pro Pro Leu Ser Ser Ser Ser Ile Cys Phe Ile Leu
  1                      5                      10                      15

Phe Tyr Phe Phe Pro Leu Leu Pro Pro Leu Ser Ser Thr Cys Phe Ser

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20

25

30

Lys Gly Asn Arg His
35

<210> 85
<211> 52
<212> PRT
<213> Homo sapiens

<400> 85
Met Cys Gln Asn Arg Glu Ser Val Leu Val Leu Leu Ile Glu Ser Asn
1 5 10 15

Met Phe Ser Phe Tyr Leu Leu Phe Ser Phe Tyr Ile Val Phe Ser Phe
20 25 30

Phe Ile Val Leu Arg Pro Leu Pro Arg Asn Glu Ser Ile Lys Lys Ile
35 40 45

Gly Val Ile Phe
50

<210> 86
<211> 25
<212> PRT
<213> Homo sapiens

<400> 86
Met Thr Val Leu Ala Lys Arg Leu Val Leu Phe Leu Gly His Ile Phe
1 5 10 15

Leu Leu Leu Cys Val Arg Ile Leu Asp
20 25

<210> 87
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 87
Met Ala Ala Arg Ser Ala Leu Ala Leu Leu Leu Leu Pro Val Leu
1 5 10 15

Leu Leu Pro Val Gln Ser Arg Ser Glu Pro Glu Thr Thr Ala Pro Thr
20 25 30

Pro Thr Pro Ile Pro Gly Gly Asn Ser Ser Xaa Ser Arg Pro Leu Pro
35 40 45

Ser Ile Glu Leu His Ala Cys Gly Pro Tyr Pro Lys Pro Gly Leu Leu
 50 55 60

Ile Leu Leu Ala Pro Leu Ala Leu Trp Pro Ile Leu Leu
 65 70 75

<210> 88
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 88
 Met Cys Tyr Ile Pro Gly Ser Thr Gly Gly Gln Cys Trp Pro Trp Cys
 1 5 10 15

Trp Cys Trp Leu Cys Arg Glu Ala Leu Glu Trp Leu Cys Gly Ala Val
 20 25 30

Ser Ala Gly Pro Ala
 35

<210> 89
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 89
 Met Leu Leu Arg Ile Ile His Leu Val Ile Phe Phe Ile Asn Phe Ser
 1 5 10 15

Thr Ser Val Val Ile Val His Tyr Asn Val Leu Asn Tyr Arg Cys Leu
 20 25 30

Leu Lys Cys Arg Cys Arg Val Xaa Lys Tyr Ser
 35 40

<210> 90
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 90
 Met Gln Asn Cys Leu Gly Ser Leu Ile Pro Gly Val Leu Phe Ser Leu
 1 5 10 15

Leu Leu Leu Pro Ser Met Phe Asn Ile Ile Leu Thr Gln Ser Lys Tyr
 20 25 30

Gly Glu Asn Ser Tyr Pro Ala Cys Phe Tyr Ser Ser Ser Asn Phe Pro
 35 40 45

Val Ser Ala Ile Thr Phe Leu Val Gly Val Val
 50 55

<210> 91
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 91
 Met Val Val Ile Val Leu Thr Ser Asn Val Cys Ile Cys Gly Tyr Val
 1 5 10 15

Val His Ser Ala Leu Ile Pro Arg Arg Gln Gly Leu Phe Leu Phe Leu
 20 25 30

Phe Leu Val Met Phe Tyr Phe Ser Ile Ala Phe Asn Arg Ile Thr Lys
 35 40 45

Gly Thr Leu Ser Ser Gln
 50

<210> 92
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 92
 Met Val Ala Gln Leu Val Gly Cys Val Val Ser Cys Leu Phe Val Leu
 1 5 10 15

Leu Arg Phe Leu Ile Ser Thr Phe Gly Ile Met Ser Phe Asn Gly Phe
 20 25 30

Val Ile Phe Val Thr Val Leu Ala Ala Tyr Asn Phe Ser Ala Gly Ala
 35 40 45

Phe Thr
 50

<210> 93
 <211> 155
 <212> PRT
 <213> Homo sapiens

<400> 93
 Met Trp Pro Gln Glu Ala Trp Val Cys Ile Leu Val Leu Leu Gly Thr
 1 5 10 15

Arg Val Gly Leu Cys Val Gly Asp Ser Leu Ala Pro Gln Ala Ser Leu
 20 25 30

Ser Tyr Cys Tyr Ile Leu Lys Val Pro Leu Arg Pro Lys Pro Leu Trp
 35 40 45

Gln Leu Ser Asn Glu Ser Ile Cys Ser Glu Tyr Arg Val Glu Gly Gly
50 55 60

Gln Gly His Gln Glu Leu Arg Met Phe Leu Arg Leu Met Arg Pro Arg
65 70 75 80

Tyr Trp Val His Gly Gly Pro Arg Ser Leu Cys Asp Ser Cys Ser Leu
85 90 95

Leu Pro Pro Cys Leu Asp Pro Ala Ser Ala Gln Lys Ala Asn Ser Leu
100 105 110

Asp Ser Lys Gly Leu Pro Arg Pro Ile Ser Met Ser Cys Ser Cys Gln
115 120 125

Leu Pro Val Pro Ser Leu Asp Leu Ser Ser Cys Leu Ala Pro Ser Leu
130 135 140

Pro Thr Pro His Ile Phe Thr Asn Lys Arg Lys
145 150 155

<210> 94

<211> 60

<212> PRT

<213> Homo sapiens

<400> 94

Met Ser His His Ala Arg Pro Tyr Lys Ala Phe Arg Ile Val Ser Cys
1 5 10 15

Tyr Phe Tyr Leu Phe Ile Ile Val Val Val Ile Ile Leu Leu Leu Tyr
20 25 30

Pro Ile Ser Gln Gly Trp His Val Ala Asn Ile Val Phe Leu Lys Asn
35 40 45

Ile Ser Asp His Ile Leu Val Leu Leu Lys Thr Phe
50 55 60

<210> 95

<211> 70

<212> PRT

<213> Homo sapiens

<400> 95

Met Trp Phe Glu Ile Leu Pro Gly Leu Ser Val Met Gly Val Cys Leu
1 5 10 15

Leu Ile Pro Gly Leu Ala Thr Ala Tyr Ile His Arg Phe Thr Asn Gly
20 25 30

Gly Lys Glu Lys Arg Val Ala His Phe Gly Tyr His Trp Ser Leu Met
35 40 45

Glu Arg Asp Arg Arg Ile Ser Gly Val Asp Arg Tyr Tyr Val Ser Lys
50 55 60

Gly Leu Glu Asn Ile Asp
65 70

<210> 96
<211> 36
<212> PRT
<213> Homo sapiens

<400> 96
Met Val Phe Leu Leu Leu Leu Leu Phe Gly Phe Phe Phe Asp Gly Ser
1 5 10 15
Leu Arg Ser Pro Leu Leu Leu Ile Ile His Leu Gly Pro Ala Pro Thr
20 25 30
Phe Leu Gln Ile
35

<210> 97
<211> 59
<212> PRT
<213> Homo sapiens

<400> 97
Met Leu Cys Gln Thr Ile Pro Leu Cys Asn Arg Leu His Ile Val Phe
1 5 10 15
Met Ile Leu Ile Lys Leu Tyr Val Glu Thr Glu Cys Glu Val Lys Ser
20 25 30
Glu His Lys Lys Ile Met His Asp Glu Ile Ala Tyr His Phe Ile Gly
35 40 45
Tyr Leu Leu Cys Ile Tyr Thr Leu Arg Pro Leu
50 55

<210> 98
<211> 43
<212> PRT
<213> Homo sapiens

<400> 98
Met Ser Val Ser Ser Asn Leu Trp Gln Thr Leu Ile Leu Leu Ser
1 5 10 15
Leu Trp Phe Cys Leu Phe Pro Glu Cys His Ile Val Gly Ile Ile Gln
20 25 30
Leu Cys Arg Leu Phe Arg Leu Pro Ser Phe Thr
35 40

<210> 99
<211> 31

<212> PRT
 <213> Homo sapiens

<400> 99
 Met Cys Cys Arg Ala Gly Gly Ser Gln Ser Pro Gln Val Met Val Val
 1 5 10 15
 Leu Ile Ile Ile Leu Gly Pro Trp Gly Gly Val Arg Ile Asp Ala
 20 25 30

<210> 100
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 100
 Met Tyr Ser Cys Leu Leu Leu Pro Asp Leu Leu Tyr Leu Thr Leu Ser
 1 5 10 15
 Pro Leu Val Val Ala Met Leu Leu Thr Pro His Phe Asn Val Ala Asn
 20 25 30
 Pro Gln Asn Leu Leu Ala Gly Leu Trp Leu Glu Asn Glu His Ser Phe
 35 40 45
 Thr Leu Met Ala Pro Glu Arg Ala Arg Thr His His Cys Gln Pro Glu
 50 55 60
 Glu Arg Lys Val Leu Phe Cys Leu Phe Pro Ile Val Pro Asn Ser Gln
 65 70 75 80
 Ala Gln Val Gln Pro Pro Gln Met Pro Pro Phe Cys Cys Ala Ala Ala
 85 90 95
 Lys Glu Lys Thr Gln Glu Glu Gln Leu Gln Glu Pro Leu Gly Ser Gln
 100 105 110
 Cys Pro Asp Thr Cys Pro Asn Ser Leu Cys Pro Ser His Thr Gln Leu
 115 120 125
 Thr Lys Ala Asn Thr Leu Ser Leu Phe Phe Phe Phe Ser Phe Phe Leu
 130 135 140
 Ser Arg Val Ser Leu Leu Ser Pro Arg Leu Glu Cys Asn Gly Arg Ile
 145 150 155 160
 Leu Ala His Cys Asn Leu His Leu Pro Gly Ser Ser Asn Ser Pro Val
 165 170 175
 Ser Ala Ser Arg
 180

<210> 101

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<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (195)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<400>	102															
Met	Gly	Leu	Leu	Ser	Asp	Pro	Val	Arg	Arg	Arg	Ala	Leu	Ala	Arg	Leu	
1				5					10					15		
Val	Leu	Arg	Leu	Asn	Ala	Pro	Leu	Cys	Val	Leu	Ser	Tyr	Val	Ala	Gly	
			20					25					30			
Ile	Ala	Trp	Phe	Leu	Ala	Leu	Val	Phe	Pro	Pro	Leu	Thr	Gln	Arg	Thr	
		35					40					45				
Tyr	Met	Ser	Glu	Asn	Ala	Met	Gly	Ser	Thr	Met	Val	Glu	Glu	Gln	Phe	
	50					55					60					
Ala	Gly	Gly	Asp	Arg	Ala	Arg	Ala	Phe	Ala	Arg	Asp	Phe	Ala	Ala	His	
65					70					75					80	
Arg	Lys	Lys	Ser	Gly	Ala	Leu	Pro	Val	Ala	Trp	Leu	Glu	Arg	Thr	Met	
				85					90					95		
Arg	Ser	Val	Gly	Leu	Glu	Val	Tyr	Thr	Gln	Ser	Phe	Ser	Arg	Lys	Leu	
			100					105					110			
Pro	Phe	Pro	Asp	Glu	Thr	His	Glu	Arg	Tyr	Met	Val	Ser	Gly	Thr	Asn	
		115					120					125				
Val	Tyr	Gly	Ile	Leu	Arg	Ala	Pro	Xaa	Ala	Ala	Ser	Thr	Glu	Ser	Leu	
	130					135					140					
Val	Leu	Thr	Val	Pro	Cys	Gly	Ser	Asp	Ser	Thr	Asn	Ser	Gln	Ala	Val	
145					150					155					160	
Gly	Leu	Leu	Leu	Ala	Leu	Ala	Ala	His	Phe	Arg	Gly	Gln	Ile	Tyr	Trp	
				165					170					175		
Ala	Lys	Asp	Ile	Val	Phe	Leu	Val	Thr	Glu	His	Asp	Leu	Leu	Gly	Thr	
			180					185					190			
Glu	Ala	Trp	Leu	Glu	Ala	Tyr	His	Asp	Val	Asn	Val	Thr	Gly	Met	Gln	
		195					200					205				
Ser	Ser	Pro	Leu	Gln	Gly	Arg	Ala	Gly	Ala	Ile	Gln	Ala	Ala	Val	Ala	
	210					215					220					
Leu	Glu	Leu	Ser	Ser	Asp	Val	Val	Thr	Ser	Leu	Asp	Val	Ala	Val	Glu	
225					230					235					240	
Gly	Leu	Asn	Gly	Gln	Leu	Pro	Asn	Leu	Asp	Leu	Leu	Asn	Leu	Phe	Gln	
				245					250					255		

Thr Phe Cys Gln Lys Gly Gly Leu Leu Cys Thr Leu Gln Gly Lys Leu
 260 265 270
 Gln Pro Glu Asp Trp Thr Ser Leu Asp Gly Pro Leu Gln Gly Leu Gln
 275 280 285
 Thr Leu Leu Leu Met Val Leu Arg Gln Ala Ser Gly Arg Pro His Gly
 290 295 300
 Ser His Gly Leu Phe Leu Arg Tyr Arg Val Glu Ala Leu Thr Leu Arg
 305 310 315 320
 Gly Ile Asn Ser Phe Arg Gln Tyr Lys Tyr Asp Leu Val Ala Val Gly
 325 330 335
 Lys Ala Leu Glu Gly Met Phe Arg Lys Leu Asn His Leu Leu Glu Arg
 340 345 350
 Leu His Gln Ser Phe Phe Leu Tyr Leu Leu Pro Gly Leu Ser Arg Phe
 355 360 365
 Val Ser Ile Gly Leu Tyr Met Pro Ala Val Gly Phe Leu Leu Leu Val
 370 375 380
 Leu Gly Leu Lys Ala Leu Glu Leu Trp Met Gln Leu His Glu Ala Gly
 385 390 395 400
 Met Gly Leu Glu Glu Pro Gly Gly Ala Pro Gly Pro Ser Val Pro Leu
 405 410 415
 Pro Pro Ser Gln Gly Val Gly Leu Ala Ser Leu Val Ala Pro Leu Leu
 420 425 430
 Ile Ser Gln Ala Met Gly Leu Ala Leu Tyr Val Leu Pro Val Leu Gly
 435 440 445
 Gln His Val Ala Thr Gln His Phe Pro Val Ala Glu Ala Glu Ala Val
 450 455 460
 Val Leu Thr Leu Leu Ala Ile Tyr Ala Ala Gly Leu Ala Leu Pro His
 465 470 475 480
 Asn Thr His Arg Val Val Ser Thr Gln Ala Pro Asp Arg Gly Trp Met
 485 490 495
 Ala Leu Lys Leu Val Ala Leu Ile Tyr Leu Ala Leu Gln Leu Gly Cys
 500 505 510
 Ile Ala Leu Thr Asn Phe Ser Leu Gly Phe Leu Leu Ala Thr Thr Met
 515 520 525
 Val Pro Thr Ala Ala Leu Ala Lys Pro His Gly Pro Arg Thr Leu Tyr
 530 535 540
 Ala Ala Leu Leu Val Leu Thr Ser Pro Ala Ala Thr Leu Leu Gly Ser
 545 550 555 560

Leu Phe Leu Trp Arg Glu Leu Gln Glu Ala Pro Leu Ser Leu Ala Glu
 565 570 575

Gly Trp Gln Leu Phe Leu Ala Ala Leu Ala Gln Gly Val Leu Glu His
 580 585 590

His Thr Tyr Gly Ala Leu Leu Phe Pro Leu Leu Ser Leu Gly Leu Tyr
 595 600 605

Pro Cys Trp Leu Leu Phe Trp Asn Val Leu Phe Trp Lys
 610 615 620

<210> 103

<211> 287

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (263)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 103

Met Ala Leu Leu Pro Ile Phe Phe Gly Ala Leu Arg Ser Val Arg Cys
 1 5 10 15

Ala Arg Gly Lys Asn Ala Ser Asp Met Pro Glu Thr Ile Thr Ser Arg
 20 25 30

Asp Ala Ala Arg Phe Pro Ile Ile Ala Ser Cys Thr Leu Leu Gly Leu
 35 40 45

Tyr Leu Phe Phe Lys Ile Phe Ser Gln Glu Tyr Ile Asn Leu Leu Leu
 50 55 60

Ser Met Tyr Phe Phe Val Leu Gly Ile Leu Ala Leu Ser His Thr Ile
 65 70 75 80

Ser Pro Phe Met Asn Lys Phe Phe Pro Ala Ser Phe Pro Asn Arg Gln
 85 90 95

Tyr Gln Leu Leu Phe Thr Gln Gly Ser Gly Glu Asn Lys Glu Glu Ile
 100 105 110

Ile Asn Tyr Glu Phe Asp Thr Lys Asp Leu Val Cys Leu Gly Leu Ser
 115 120 125

Ser Ile Val Gly Val Trp Tyr Leu Leu Arg Lys His Trp Ile Ala Asn
 130 135 140

Asn Leu Phe Gly Leu Ala Phe Ser Leu Asn Gly Val Glu Leu Leu His
 145 150 155 160

Leu Asn Asn Val Ser Thr Gly Cys Ile Leu Leu Gly Gly Leu Phe Ile
 165 170 175

Tyr Asp Val Phe Trp Val Phe Gly Thr Asn Val Met Val Thr Val Ala

	180		185		190										
Lys	Ser	Phe	Glu	Ala	Pro	Ile	Lys	Leu	Val	Phe	Pro	Gln	Asp	Leu	Leu
	195						200					205			
Glu	Lys	Gly	Leu	Glu	Ala	Asn	Asn	Phe	Ala	Met	Leu	Gly	Leu	Gly	Asp
	210					215					220				
Val	Val	Ile	Pro	Gly	Ile	Phe	Ile	Ala	Leu	Leu	Leu	Arg	Phe	Asp	Ile
225					230					235					240
Ser	Leu	Lys	Lys	Asn	Thr	His	Thr	Tyr	Phe	Tyr	Thr	Ser	Phe	Ala	Ala
				245					250					255	
Tyr	Ile	Phe	Gly	Leu	Gly	Xaa	Tyr	His	Leu	His	His	Ala	His	Leu	Gln
			260				265						270		
Ala	Cys	Ser	Val	Met	Arg	Ser	Gln	Ile	Leu	Arg	Ile	Gln	Arg	Gln	
	275						280					285			

<210> 104
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 104															
Met	Ser	Arg	Leu	Leu	Leu	Leu	Phe	Gly	Arg	Leu	Cys	Ser	Leu	Trp	Cys
1				5					10					15	
Leu	Ser	Trp	Leu	Tyr	Ser	Thr	Asp	Thr	Arg	Pro	Leu	Leu	Arg	Gly	
			20					25					30		

<210> 105
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 105															
Met	Leu	Pro	Arg	Leu	Val	Leu	Asn	Ser	Trp	Ala	Cys	Pro	Pro	Gln	Pro
1				5					10					15	
Pro	Lys	Val	Leu	Glu	Leu	Gln	Ala	Cys	Ala	Thr	Ile	Ser	Ser	Leu	Ile
			20					25					30		
Thr	Leu	Phe	Leu	Met	Phe	Ile	Lys	Ser	Ser	His	Pro	Leu	Ser	Leu	Ala
		35					40					45			
Glu	Ala	Ser	Gln	Glu	Gly	Gln	Asn	Gln	Leu	Gln	Ser	Thr	Ile	Ser	Asp
	50					55					60				
Pro	Glu	Thr	Trp	Ile	Leu	Phe	Val	His	Leu	Asn	Val	Thr			
65					70					75					

<210> 106
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 106
 Met Val Phe Leu Val Phe Tyr Val Leu Arg Ala Leu Lys Cys Asn Ser
 1 5 10 15
 Ser Tyr His Ser Cys Thr Asn Val Leu Thr Gln Ile Ala Ser Gln Ile
 20 25 30
 Asp Lys Thr Leu Asn Asn Phe Ser Leu Lys Lys Cys
 35 40

<210> 107
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 107
 Met Asn Pro Cys Leu Ser Ile Ile Phe Leu Leu Thr Pro Val Leu Leu
 1 5 10 15
 Ser His Pro Leu Gln Ser Leu His Phe Leu Leu Lys Val Asp Leu Asp
 20 25 30
 Phe Ser Leu Ser Cys Ser Ile Cys Thr
 35 40

<210> 108
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 108
 Met Thr Val Tyr Leu Leu Lys Thr His Pro Cys Phe Phe Val Ala Tyr
 1 5 10 15
 Gln Met Gln Val Ala Leu Ile Ile Leu Leu Pro Gly Leu Arg Asn Ser
 20 25 30
 Lys Thr Val Thr Met Pro Leu Ser Pro Ala Leu Leu Pro Thr Leu Leu
 35 40 45
 Phe Phe Pro Ser Pro Thr Pro Phe Phe His Pro Phe Leu Ser Val Leu
 50 55 60
 Cys Cys Phe Lys Tyr
 65

<210> 109
 <211> 48
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 109

Met His Ala Thr Cys Thr Arg Thr Trp Arg Ala Gln Val Ser Leu His
1 5 10 15

Gln Pro Pro Cys Ser Arg Asp Trp Lys Ile Cys His Leu Leu Val Val
20 25 30

Leu Ser Leu Pro Pro Pro Thr Pro Ala Arg Xaa Pro Glu Phe Leu Asn
35 40 45

<210> 110

<211> 192

<212> PRT

<213> Homo sapiens

<400> 110

Met Ile Arg Asn Asp Gln Asp Ser Leu Met Gln Leu Leu Gln Leu Gly
1 5 10 15

Leu Val Val Leu Gly Ser Gln Glu Ser Gln Glu Ser Asp Leu Ser Lys
20 25 30

Gln Leu Ile Ser Val Ile Ile Gly Leu Gly Val Ala Leu Leu Leu Val
35 40 45

Leu Val Ile Met Thr Met Ala Phe Val Cys Val Arg Lys Ser Tyr Asn
50 55 60

Arg Lys Leu Gln Ala Met Lys Ala Ala Lys Glu Ala Arg Lys Thr Ala
65 70 75 80

Ala Gly Val Met Pro Ser Ala Pro Ala Ile Pro Gly Thr Asn Met Tyr
85 90 95

Asn Thr Glu Arg Ala Asn Pro Met Leu Asn Leu Pro Asn Lys Asp Leu
100 105 110

Gly Leu Glu Tyr Leu Ser Pro Ser Asn Asp Leu Asp Ser Val Ser Val
115 120 125

Asn Ser Leu Asp Asp Asn Ser Val Asp Val Asp Lys Asn Ser Gln Glu
130 135 140

Ile Lys Glu His Arg Pro Pro His Thr Pro Pro Glu Pro Asp Pro Glu
145 150 155 160

Pro Leu Ser Val Val Leu Leu Gly Arg Gln Ala Gly Ala Ser Gly Gln
165 170 175

Leu Glu Gly Pro Ser Tyr Thr Asn Ala Gly Leu Asp Thr Thr Asp Leu
 180 185 190

<210> 111

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 111

Met Ala His Val Val Val Ala Arg Asn Glu Cys Leu Ile Arg Ala Phe
 1 5 10 15

Leu Phe Leu Leu His Cys Val Ser Leu Leu Pro Ser Pro Gly Glu Val
 20 25 30

Asn Ile Arg His Thr Leu Phe Thr Val Glu Glu Arg Leu Thr Thr Pro
 35 40 45

Arg Ala Leu Lys Leu Ser Leu Ser Leu Ile Val Ser Leu His Ala Xaa
 50 55 60

Cys Arg Lys Gln Glu Cys Ser
 65 70

<210> 112

<211> 35

<212> PRT

<213> Homo sapiens

<400> 112

Met Arg Leu Thr Glu Lys Asp Thr Val Leu Phe Thr Lys Gly Val Leu
 1 5 10 15

Phe Leu His Leu Phe Ile Asn Ala Leu Phe Trp Tyr Cys Lys Phe Gly
 20 25 30

His Asn Phe
 35

<210> 113

<211> 59

<212> PRT

<213> Homo sapiens

<400> 113

Met Thr Ser Val Ser Thr Gln Leu Ser Leu Val Leu Met Ser Leu Leu
 1 5 10 15

Leu Val Leu Pro Val Val Glu Ala Val Glu Ala Gly Asp Ala Ile Ala

55

20

25

30

Leu Leu Leu Gly Val Val Leu Ser Ile Thr Gly Ile Cys Ala Cys Leu
35 40 45

Gly Val Tyr Ala Arg Lys Arg Asn Gly Gln Met
50 55

<210> 114

<211> 28

<212> PRT

<213> Homo sapiens

<400> 114

Met Asn Ser Phe Trp Ser Lys Leu Leu Val Leu Pro Leu Leu Ala Pro
1 5 10 15

Leu Ser Met Ala Arg Ala Ser Ala Cys Gln Arg Trp
20 25

<210> 115

<211> 24

<212> PRT

<213> Homo sapiens

<400> 115

Met Met Arg Leu Leu Asp Leu Arg Ile Phe Leu Met Ile His His Lys
1 5 10 15

Ala Lys Ser Trp Glu Ser His Thr
20

<210> 116

<211> 34

<212> PRT

<213> Homo sapiens

<400> 116

Met Pro Leu Ser Leu Leu Leu Ile Val Trp Lys Leu Glu Leu Cys Val
1 5 10 15

Gly Ser Ala Leu Val Leu Ile His Thr Gln Arg Arg Tyr Ile Ile Leu
20 25 30

Gln Val

<210> 117

<211> 77

<212> PRT

<213> Homo sapiens

<400> 117

Met Leu Leu Ala Thr Leu Leu Leu Leu Leu Leu Gly Gly Ala Leu Ala

1 5 10 15
 His Pro Asp Arg Ile Ile Phe Pro Asn His Ala Cys Glu Asp Pro Pro
 20 25 30
 Ala Val Leu Leu Glu Val Gln Gly Thr Leu Gln Arg Pro Leu Val Arg
 35 40 45
 Asp Ser Arg Thr Ser Pro Ala Asn Cys Thr Trp Leu Thr Lys Arg Val
 50 55 60
 Gln Gln Met Leu Leu Phe His Ser Tyr Gly Ile Ala Gln
 65 70 75

<210> 118
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 118
 Met Thr Gly Val Phe Lys Leu Pro Leu Leu Phe Trp Val His Glu Ala
 1 5 10 15
 Ser Val Gly Gly Cys Pro Tyr Val Lys Leu Val Glu Phe Glu Glu Met
 20 25 30
 Leu Thr Leu Tyr Gly Ile Leu Leu Ile Leu Phe
 35 40

<210> 119
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 119
 Met Gln Leu Ala Pro Phe Ile Ser Ile Pro Val Leu Ser Gly Thr Thr
 1 5 10 15
 Pro Trp Thr Ala Val Phe Arg Ala Ser Ser Ile Cys Thr Pro Leu Leu
 20 25 30
 Thr Leu Ser Ala Ala Gly Met Leu Val Glu Ser Ser Leu
 35 40 45

<210> 120
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 120
 Met Pro Pro Leu Ser Asp Ile Leu Leu Thr Val Ala Val Val Ala Phe
 1 5 10 15
 Glu Met Thr Gly His Ile Tyr Ile Trp Pro His Thr
 20 25

<210> 121
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 121
 Met Glu Leu Pro Cys Asp Cys Ser Lys Leu Leu Tyr Cys Lys Phe Ser
 1 5 10 15
 Val Trp His Leu Pro Val Asn Ala Met Lys Leu Leu Ile Ile Phe Leu
 20 25 30
 Lys Val Leu His Cys Leu Phe Phe Leu Leu Leu Cys Lys Phe Leu Tyr
 35 40 45
 Thr Leu Ile Val Ile Leu Thr Asp Lys Tyr Ser Ile Leu Asn
 50 55 60

<210> 122
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 122
 Met Pro Val Ser Trp Gly Cys Pro Ser Lys Thr Pro Gln Thr Arg Ala
 1 5 10 15
 Tyr Thr Arg Cys Val Tyr Phe Leu Met Val Leu Glu Ala Gly Val Gly
 20 25 30
 Gly His Ser Val Ser Arg Val Gly Ser Leu Glu Val Pro Pro Trp Leu
 35 40 45
 Val Ala Ala Asn Asn Phe Pro His Leu Met Trp Ser Ser Phe Cys Val
 50 55 60
 Gly Pro His Xaa Val Phe Leu Xaa Asp Pro Ser Leu Pro Asp Pro Gly
 65 70 75 80
 Pro Pro Asn Asn Leu Thr
 85

<210> 123
 <211> 63

<212> PRT
 <213> Homo sapiens

<400> 123
 Met Cys Tyr Phe Leu Glu Ile Ser Leu Leu Met Val Phe Ala Leu Asn
 1 5 10 15
 Ile Lys Ala Ala Tyr Gly Cys Cys Asn Ile Asn Gly Thr Glu Val His
 20 25 30
 Arg Ala Lys Gly Pro Val Ser Val Pro Phe Pro Leu Ser Arg Pro Leu
 35 40 45
 Ser Gly Thr Pro Leu Leu Asp Arg Leu Arg Pro Phe Gln Thr Leu
 50 55 60

<210> 124
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 124
 Met Pro Leu Pro Ser Ser Phe Pro Leu Pro Val Phe Leu Ser Ser Cys
 1 5 10 15
 Pro Phe Leu Met Ser Val Ser Ile Gly Phe Leu Ile Leu Val Phe Asn
 20 25 30
 Val His Pro
 35

<210> 125
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 125
 Met Phe Ile Phe Cys Val Ser Leu Ala Phe Leu Pro Arg Phe Ile Ser
 1 5 10 15
 Pro Gln Ser Cys Glu Trp Ala Gly Leu Ser Leu Val Trp His His
 20 25 30

<210> 126
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 126
 Met Lys Asn Asn Thr Gln Lys Arg Leu Phe Leu Trp Gly Glu Leu Leu
 1 5 10 15

Leu Gln Asp Leu Ala Leu Ile Leu Tyr Leu Ser Ile Phe Leu Lys Ser
 20 25 30

Thr Leu Thr Asn Leu Asn Leu Phe
 35 40

<210> 127
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 127
 Met Leu Asn Val Phe Phe Ser Leu Ile Leu Phe Phe Ser Pro Asn Arg
 1 5 10 15

Ala Leu Pro Ala Ile Ser Ser Cys Ile Thr Phe
 20 25

<210> 128
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 128
 Met Arg Ala Val Gly Glu Arg Leu Leu Leu Lys Leu Gln Arg Leu Pro
 1 5 10 15

Gln Ala Glu Pro Val Glu Ile Val Ala Phe Ser Val Ile Ile Leu Phe
 20 25 30

Thr Ala Thr Val Leu Leu Leu Leu Ile Ala Cys Ser Cys Cys Cys
 35 40 45

Thr His Cys Cys Cys Pro Glu Arg Arg Gly Arg Lys Val Gln Val Gln
 50 55 60

Pro Thr Pro Pro
 65

<210> 129
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 129
 Met Asp Pro Arg Arg Val Thr Ala Cys Cys His Val Trp Thr Val Gly
 1 5 10 15

Leu Phe Cys Ile Trp Ala Val Gly Leu Ser Cys Ser Leu Ser Leu Ser
 20 25 30

His Val Ile Val Trp Leu Ser Gly Ala Gly Cys Thr Leu Ile Cys Glu
 35 40 45

Asp Asn Pro Phe Leu Leu Leu Phe Ser Gln Tyr Leu Gln Pro His His
50 55 60

Pro Glu Ile Met Lys Pro Phe Ile Leu Gly His Lys Ser Ser Asn Gly
65 70 75 80

Gly Leu Ser Pro Pro Ser Ala
85

<210> 130

<211> 63

<212> PRT

<213> Homo sapiens

<400> 130

Met Phe Tyr Met Val Cys Val Leu Gly Ser Gly Ala Gln Pro Leu Ser
1 5 10 15

Glu Leu Ala Tyr Leu Ala Lys Leu Pro Thr Leu Gln Val Gly Lys Tyr
20 25 30

Asn Pro Leu Phe Asn Lys Ala His Pro Leu His Pro Val Leu Thr Thr
35 40 45

Phe Cys Glu Cys Ala Val Ile Phe Ser Cys Ser Ile Ala Arg Trp
50 55 60

<210> 131

<211> 54

<212> PRT

<213> Homo sapiens

<400> 131

Met Arg Phe Gln Ser Tyr Leu Trp Pro Ser Arg Ile Leu Val Gly Thr
1 5 10 15

Tyr Cys Ile Ala Ala Glu Val Leu Phe Pro Ser Ala Leu Ala Ser Cys
20 25 30

Gly Pro Val Trp Gln Gly Gly Ala Pro Thr Lys Ser Trp Gln Pro Gly
35 40 45

Ala Lys Thr Ile Ile Pro
50

<210> 132

<211> 40

<212> PRT

<213> Homo sapiens

<400> 132

Met Arg Arg Trp Ala Gly Phe Gly Lys Ser Pro Gln Phe Trp Trp Thr

1 5 10 15
 Gly Ile Leu Val Ala Leu Gly Ala Ala Leu Leu Gly Gly Pro Arg Leu
 20 25 30
 Gly Arg Arg Leu Thr Phe Gly Leu
 35 40

<210> 133
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 133
 Met Ala Leu Ala Ile Phe Ile Pro Val Leu Ile Ile Ser Leu Leu Leu
 1 5 10 15
 Gly Gly Ala Tyr Ile Tyr Ile Thr Arg Cys Arg Tyr Tyr Ser Asn Leu
 20 25 30
 Arg Leu Pro Leu Met Tyr Ser His Pro Tyr Ser Gln Ile Thr Val Glu
 35 40 45
 Thr Glu Phe Asp Asn Pro Ile Tyr Glu Thr Gly Glu Thr Arg Glu Tyr
 50 55 60
 Glu Val Ser Ile
 65

<210> 134
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 134
 Met Gly Phe Leu Phe Leu His Ile Leu Pro Ser Ile Ile Asn Thr Arg
 1 5 10 15
 Ser Ala Pro Gln Pro Thr Ser Cys Arg Met Gln Pro Glu Gln Gln Pro
 20 25 30
 His Ser Thr Leu Lys Pro Val Ile Leu Gly Met Met Ile Ile Ser
 35 40 45

<210> 135
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 135
 Met Ser Gly Leu Val Gly Gly Gly Ser Arg Cys Ser Lys Val Arg Phe
 1 5 10 15

Arg Cys Phe Asn Gly Asp Ser Leu Leu Val Leu Val Leu Gln His His
 20 25 30

Phe Arg Leu Cys Ser Trp Cys Leu Ala Pro Ser Leu Phe Leu Leu Leu
 35 40 45

Ser Cys Gln Val Val Ser Thr Met Met Glu Gln Asp Pro Val Ile Tyr
 50 55 60

Asp Asp Asp Asp Asp Leu Pro Asn Tyr Phe Ser Val
 65 70 75

<210> 136

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 136

Met Phe Leu Glu Leu Pro Met Gln His Ser Asp Val Leu Leu Phe Leu
 1 5 10 15

Val Cys Trp Lys Ala Met Gly Ser Lys Lys Ser Pro Ser His Phe Xaa
 20 25 30

Pro Glu Val Gly Gly Ile Xaa Pro Ser Phe Gly Met Leu Asn Val Thr
 35 40 45

Leu Leu Arg Ser Leu Thr
 50

<210> 137

<211> 54

<212> PRT

<213> Homo sapiens

<400> 137

Met Leu Val Leu Phe Pro Leu Leu Tyr Arg Gly Trp Ser Pro Val Pro
 1 5 10 15

Gly Thr Ala Glu Gly Gly Met Cys Cys Cys Cys Leu Cys Ile Ser Arg
 20 25 30

Tyr Ser Leu Leu Thr Ser Ser Gln Asp Lys Glu Pro Pro Tyr Glu Met
 35 40 45

Ser Ser Ser Glu Leu Ser
50

<210> 138

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 138

Met Thr Cys Tyr Glu Val Ile Leu Phe Phe Ile Lys Leu Phe Ser Asp
1 5 10 15

Met Gly Lys Tyr Lys Glu Cys Lys Glu Phe Lys Lys Gln Arg Thr Lys
20 25 30

Xaa Tyr Met
35

<210> 139

<211> 80

<212> PRT

<213> Homo sapiens

<400> 139

Met Lys Ala Gln Pro Leu Glu Ala Leu Leu Leu Val Ala Leu Val Leu
1 5 10 15

Ser Phe Cys Gly Val Trp Phe Glu Asp Trp Leu Ser Lys Trp Arg Phe
20 25 30

Gln Cys Ile Phe Gln Leu Ala His Gln Pro Ala Leu Val Asn Ile Gln
35 40 45

Phe Arg Gly Thr Val Leu Gly Ser Glu Thr Phe Leu Gly Ala Glu Glu
50 55 60

Asn Ser Ala Asp Val Arg Ser Trp Gln Thr Leu Ser Tyr Phe Glu Leu
65 70 75 80

<210> 140

<211> 67

<212> PRT

<213> Homo sapiens

<400> 140

Met Ala Ala Ser Val Gly Arg Ala Thr Arg Ser Ala Ala Ala His Leu
1 5 10 15

Thr Gln Leu Pro Pro Ala Pro Arg Ala Gln Arg Thr Ser Pro Ala Gln

20 25 30
 Pro Asp Glu Gly Lys Arg Arg Asp Ala Asp Pro Trp Arg Thr Gly Pro
 35 40 45
 Thr Val Asn Lys Thr Gly Ser Ile Pro Gly Arg Leu Arg Gly Trp Ala
 50 55 60
 Arg Ala Glu
 65

<210> 141
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 141
 Met Gly Trp Leu Cys Cys Glu Pro Ser Gly Leu Tyr Asn Leu Glu Lys
 1 5 10 15
 Gln Tyr Phe Phe Phe Ser Ser Leu Gln Ala Gly Leu Pro Val Ile Val
 20 25 30
 Ser Ser Gly Cys Thr Lys Ile Ala Tyr Gly Phe Ala Val Tyr Ser Pro
 35 40 45
 Ser Ser
 50

<210> 142
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 142
 Met Arg Arg Cys Val Arg His Val Leu Gly Ile Gly Leu Ile Val Leu
 1 5 10 15
 Lys Asn Leu Tyr Phe His Lys Asn Ser Met Tyr Pro Ser Pro Lys Leu
 20 25 30
 Ser Ser Phe Gln Glu Ala Phe Leu Phe Phe Phe Leu Ile Leu Lys Asn
 35 40 45
 Pro Leu Thr Leu Cys Ser
 50

<210> 143
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 143
 Ile His Pro Ser Arg Ser Thr Leu Ser Ser Gln Leu Val Thr Leu Pro
 1 5 10 15

Leu Phe Glu Leu Val Phe Pro Ile Pro Ser Ser Gln Ser Pro Phe Ser
 20 25 30

Leu Asn Tyr Leu Ser Glu Phe Pro Leu Pro Glu His Glu Pro Cys Leu
 35 40 45

Glu

<210> 144

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 144

Met Thr Cys Cys Cys Leu Leu Cys Lys Leu Gln Gly Ile Phe Phe Phe
 1 5 10 15

Ser Phe Asn Ser Ser Val Leu Lys Ser Ile Leu Gly Thr Thr Arg Thr
 20 25 30

Leu Ser Ala Pro Trp Ile Gly Val Ser Val Lys Gly Thr Gln Trp Ala
 35 40 45

Leu Gly Ser Ala Arg Pro Gly Cys Gly Ser Gln Leu Thr Ser Ser Leu
 50 55 60

Gly Gly Leu Arg Gln Val Ile Cys Gln Pro His Leu Gln Lys His Asp
 65 70 75 80

Ala Lys Leu Xaa Ser Val
 85

<210> 145

<211> 57

<212> PRT

<213> Homo sapiens

<400> 145

Met His Lys Cys Asn Thr Val Thr Arg Glu Leu Leu Gln Leu Ser Leu
 1 5 10 15

Leu Ile Leu Pro Ser Gln Cys Gly Asn Cys Ala Thr Ser Thr Lys Arg
 20 25 30

Gly Pro Arg Leu Leu Lys Tyr Phe Arg Thr Ser Pro Gln Glu Gln Thr
 35 40 45

Pro Leu His Leu Asp Ser Asp Cys Ser
 50 55

<210> 146
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 146
 Met Ser His Cys Ala Arg Pro Leu Phe Phe Glu Thr Phe Phe Ile Leu
 1 5 10 15
 Leu Ser Pro Arg Leu Lys Cys Ser Gly Thr Asn Thr Val His Tyr Ser
 20 25 30
 Leu Asp Leu Leu Gly Ser Ser Asn Ser Ala Ser Val Pro Gln Val Gly
 35 40 45
 Gly Leu Thr Asn Ala Gln His Asp Thr Trp Leu Ile Phe Val Phe Cys
 50 55 60
 Val Cys Val Cys Glu Pro Leu Arg Arg Pro Trp Ala Ala Phe Leu Ile
 65 70 75 80
 Ser Val Thr Ser Ser Ile Lys
 85

<210> 147
 <211> 230
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 147
 Met Gly Leu Ala Leu Tyr Val Leu Pro Val Leu Gly Gln His Val Ala
 1 5 10 15
 Thr Gln His Phe Pro Val Ala Glu Ala Glu Ala Val Val Leu Thr Leu
 20 25 30
 Leu Ala Ile Tyr Ala Ala Gly Leu Ala Leu Pro His Asn Thr His Arg
 35 40 45
 Val Val Ser Thr Gln Ala Pro Asp Arg Gly Trp Met Ala Leu Lys Leu
 50 55 60
 Val Ala Leu Ile Tyr Leu Ala Leu Gln Leu Gly Cys Ile Ala Leu Thr
 65 70 75 80
 Asn Phe Ser Leu Gly Phe Leu Leu Ala Thr Thr Met Val Pro Thr Ala
 85 90 95
 Ala Leu Ala Lys Pro His Gly Pro Arg Thr Leu Tyr Ala Ala Leu Leu
 100 105 110

Val Leu Thr Ser Pro Ala Ala Thr Leu Leu Gly Ser Leu Phe Leu Trp
115 120 125

Arg Glu Leu Gln Glu Ala Pro Leu Ser Leu Ala Glu Gly Trp Gln Leu
130 135 140

Phe Leu Ala Ala Leu Ala Gln Gly Val Leu Glu His His Thr Thr Ala
145 150 155 160

Pro Cys Ser Ser His Cys Cys Pro Trp Ala Ser Thr Pro Ala Gly Cys
165 170 175

Phe Ser Gly Met Cys Ser Ser Gly Ser Glu Ile Cys Leu Ser Gly Leu
180 185 190

Gly Gln Arg Leu Pro Lys Asp Pro Ile Leu Pro Pro Ser Gly Glu Ile
195 200 205

Asn Glu Cys Leu Phe Gln Gln Xaa Lys Lys Lys Lys Lys Lys Lys Lys
210 215 220

Lys Lys Lys Lys Gly Gly
225 230

<210> 148

<211> 62

<212> PRT

<213> Homo sapiens

<400> 148

Gln Pro Ala Leu Leu Tyr Leu Val Pro Ala Cys Ile Gly Phe Pro Val
1 5 10 15

Leu Val Ala Leu Ala Lys Gly Glu Val Thr Glu Met Phe Ser Tyr Glu
20 25 30

Glu Ser Asn Pro Lys Asp Pro Ala Ala Val Thr Glu Ser Lys Glu Gly
35 40 45

Thr Glu Ala Ser Ala Ser Lys Gly Leu Glu Lys Lys Glu Lys
50 55 60

<210> 149

<211> 17

<212> PRT

<213> Homo sapiens

<400> 149

Gln Leu Ile Leu Ser Leu Leu Arg Gly Phe Cys Lys Thr Glu Arg Val
1 5 10 15

Gly

<210> 150

<211> 15
 <212> PRT
 <213> Homo sapiens

<400> 150
 Met Ala Leu Gly Ala Arg Glu Leu Pro Gly Ser Leu Ser Arg Trp
 1 5 10 15

<210> 151
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 151
 Met Tyr Ser Phe Ser Val Leu Glu Ile Thr Cys Phe Ile Leu Phe Leu
 1 5 10 15

Trp Pro Ser Trp Val
 20

<210> 152
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 152
 Met Lys Ile Lys Gln Arg Phe Ser Leu Leu Leu Phe His Cys Pro Phe
 1 5 10 15

Pro Pro Cys Cys Leu Ser Leu Gly
 20

<210> 153
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 153
 Met Asn Gly Leu Phe Gln Leu Glu Ile Ser His Lys Leu Trp Thr Lys
 1 5 10 15

Ser Lys Thr Ser Leu Met Thr Leu Leu Ser Val Met Ala Leu Leu Trp
 20 25 30

Lys Ile Leu Trp Ser Arg Ala Ile
 35 40

<210> 154
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 154
 Met Thr Pro Gly Leu Phe Leu Tyr Phe Val Cys Val Cys Val Ser His

1 5 10 15
 Cys Ala Gly Leu Gly Gln Leu Ser
 20

<210> 155
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 155
 Ile Arg His Glu Leu Gly Cys Ser Trp Arg Phe Arg Ala Val Lys Ala
 1 5 10 15
 Ala Ser Ala Gln Gly Leu Phe Leu Ser Ala Pro Gly Pro Ala Ala Arg
 20 25 30
 Arg Cys His Gly Val Val Arg Cys Phe Ser Thr Cys Arg Ala Leu Thr
 35 40 45
 Ala Arg Cys Thr Gly Arg Val Pro Trp Glu Ala Cys Leu Tyr Ser Ser
 50 55 60
 Glu Pro Pro Leu Thr Glu Thr Val Ala Arg Ser Val Ser Trp Thr Cys
 65 70 75 80
 Glu Leu Ala Leu Thr Cys Tyr Ala Pro Arg Ala Leu Ser Gly Ala Pro
 85 90 95
 Val Leu Cys Arg His Asp Val
 100

<210> 156
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 156
 Val His Leu Gly Leu Pro Pro Gly Asp Ala
 1 5 10

<210> 157
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 157
 Arg Ala Val Lys Ala Ala Ser Ala Gln Gly Leu Phe Leu Ser Ala Pro
 1 5 10 15

Gly Pro

<210> 158

<211> 28
 <212> PRT
 <213> Homo sapiens

<400> 158
 Gly Val Val Arg Cys Phe Ser Thr Cys Arg Ala Leu Thr Ala Arg Cys
 1 5 10 15
 Thr Gly Arg Val Pro Trp Glu Ala Cys Leu Tyr Ser
 20 25

<210> 159
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 159
 Ser Val Ser Trp Thr Cys Glu Leu Ala Leu Thr Cys Tyr Ala Pro Arg
 1 5 10 15
 Ala Leu Ser Gly Ala Pro Val
 20

<210> 160
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 160
 Asn Ser Ala Arg Ala Lys Thr Lys Glu Thr Phe Gly Gly
 1 5 10

<210> 161
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 161
 Phe Leu Ala Ile His Phe Pro Thr Asp Phe Pro Leu Lys Pro Pro Lys
 1 5 10 15
 Val Ala Phe Thr Arg Met Tyr Phe Pro Asn Ser Asn Ser Asn Gly Ser
 20 25 30
 Thr Cys Leu Asp Ile Leu Trp Ser Gln Trp Ser Pro Ala Leu
 35 40 45

<210> 162
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 162
 Leu Lys Pro Pro Lys Val Ala Phe Thr Arg Met Tyr Phe Pro Asn Ser

71

1 5 10 15
Asn Ser Asn Gly Ser Thr Cys
20

<210> 163
<211> 38
<212> PRT
<213> Homo sapiens

<400> 163
Ala Gly Ile Arg His Glu Gly Thr Thr Pro Cys Phe Cys Lys Gly Leu
1 5 10 15
Glu Asn Ile Tyr Pro Val Pro Phe Leu Phe Ala Phe Val Phe Ile Ile
20 25 30
Leu Ala Asn Tyr Trp Lys
35

<210> 164
<211> 44
<212> PRT
<213> Homo sapiens

<400> 164
His Ser Val Val Thr Val Val Ser Ser Thr Ile Ser Lys Val Leu Phe
1 5 10 15
Ser Ile Cys Ser Pro Leu Tyr Asp Ser Asn Pro His Asp Leu Leu Val
20 25 30
Asn Glu Val Ala Glu Ile Phe Thr Met Ser Ile Ile
35 40

<210> 165
<211> 38
<212> PRT
<213> Homo sapiens

<400> 165
Asn Ser Ala Arg Ala Gly Gln Asp Arg Arg Gly Pro Arg Val Thr Ala
1 5 10 15
Glu Gln Thr Leu Pro Ala Ala Ala Ala Ala Ala Leu Leu Arg Asp
20 25 30
Glu Pro Glu Arg Leu Ala
35

<210> 166
<211> 27
<212> PRT
<213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 166
 Leu His His Pro His Xaa Leu Pro Leu Ala Leu Xaa Ile Gln Asn Phe
 1 5 10 15
 Pro Gln Ser Leu Ala Ala Arg Leu Ser Trp Gly
 20 25

<210> 167
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 167
 Met Ile Leu Val Phe Thr Val Lys Leu Ser Asn Val
 1 5 10

<210> 168
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 168
 Thr Pro Val Ile Thr Val Leu Thr Ile Lys Phe Phe Gln Leu Ser Phe
 1 5 10 15

Phe Thr Glu Ile
 20

<210> 169
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 169

Gln Val Ala Glu Ser Ile Leu Leu Thr Asp Glu Gln Pro Lys Ala Gly
 1 5 10 15

Gln Thr Leu Leu Xaa Ala Leu Pro Ala Pro Xaa Ile Arg Asn Thr Gly
 20 25 30

Lys Glu Ile Gly Thr Ala Thr Gln Pro Ser
 35 40

<210> 170
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 170
 Pro Gly Ser His Arg Glu Asp
 1 5

<210> 171
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 171
 Glu His Val Trp Gly Phe Val Trp Val Thr Leu Trp Leu Pro Lys Pro
 1 5 10 15

Pro Phe Pro Thr Val Ile Ser Leu Lys Cys Leu
 20 25

<210> 172
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 172
 Ile Arg His Glu Gly Ile Thr Gly
 1 5

<210> 173
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 173
 Gly Phe Gly Leu Gly Asn Gly Ala Glu
 1 5

<210> 174
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 174

Arg Ile Tyr Met Leu Ile
 1 5

<210> 175

<211> 91

<212> PRT

<213> Homo sapiens

<400> 175

Thr His Ile Arg Lys Gln Tyr Ala Ala Val Pro Val Arg Ile Pro Gly
 1 5 10 15

Arg Pro Thr Arg Pro Pro Thr Arg Pro His Leu Pro Trp Leu Trp Gly
 20 25 30

Gly Ala Ser Met Pro Cys Val Ala Leu Gly Trp Ala Val Ala Pro His
 35 40 45

Cys Ser Ser Phe Leu Phe Thr Asn His Ala Ser Leu Leu Val Ser Ser
 50 55 60

Asp Glu Ile Thr Trp Ile Ser Trp Leu Pro Val Lys Asp Leu His Ala
 65 70 75 80

Tyr Tyr Gly Phe Phe Val Val Val Val Val Trp
 85 90

<210> 176

<211> 25

<212> PRT

<213> Homo sapiens

<400> 176

Val Pro Val Arg Ile Pro Gly Arg Pro Thr Arg Pro Pro Thr Arg Pro
 1 5 10 15

His Leu Pro Trp Leu Trp Gly Gly Ala
 20 25

<210> 177

<211> 24

<212> PRT

<213> Homo sapiens

<400> 177

Val Ala Pro His Cys Ser Ser Phe Leu Phe Thr Asn His Ala Ser Leu
 1 5 10 15

Leu Val Ser Ser Asp Glu Ile Thr
 20

<210> 178

<211> 6

<212> PRT
 <213> Homo sapiens

<400> 178
 Met Leu Gln Tyr Leu Asn
 1 5

<210> 179
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 179
 Ile Arg His Glu Val Ser Leu Pro Ser Thr Phe Ser Val Leu His Arg
 1 5 10 15

Ile

<210> 180
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 180
 Arg Ala Arg Glu Gln Trp Gly Ser Gly Trp Ala His Ala
 1 5 10

<210> 181
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 181
 Met Leu Leu Thr Pro His Phe Asn Val Ala Asn Pro Gln Asn Leu Leu
 1 5 10 15

Ala Gly Leu Trp Leu Glu Asn Glu His Ser Phe Thr Leu Met Ala Pro
 20 25 30

Glu Arg Ala Arg Thr His His Cys Gln Pro Glu Glu Arg Lys Val Leu
 35 40 45

Phe Cys Leu Phe Pro Ile Val Pro Asn Ser Gln Ala Gln Val Gln Pro
 50 55 60

Pro Gln Met Pro Pro Phe Cys Cys Ala Ala Lys Glu Lys Thr Gln
 65 70 75 80

Glu Glu Gln Leu Gln Glu Pro Leu Gly Ser Gln Cys Pro Asp Thr Cys
 85 90 95

Pro Asn Ser Leu Cys
 100

<210> 182
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 182
 Arg Met Ser Thr Val Ser Pro Leu Trp Leu Gln Lys Glu Gln Glu His
 1 5 10 15
 Thr Thr Ala Ser Gln Lys Arg Glu Lys Ser Cys Ser Val Ser Phe Pro
 20 25 30
 Leu Ser Gln Ile Ala Lys His Arg Phe Asn His Pro Lys Cys His Pro
 35 40 45
 Ser Ala Val Gln Gln Pro Arg Lys Arg Pro Arg Arg Ser Ser Ser Lys
 50 55 60
 Asn Leu Trp Ala Val Ser Ala Gln Ile Leu Ala Pro Ile Leu Cys Val
 65 70 75 80
 Gln Ala Thr Leu Ser
 85

<210> 183
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 183
 Gly Leu Trp Leu Glu Asn Glu His Ser Phe Thr Leu Met Ala Pro Glu
 1 5 10 15
 Arg Ala Arg Thr His His Cys Gln Pro Glu Glu Arg Lys Val Leu
 20 25 30

<210> 184
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 184
 Glu His Thr Thr Ala Ser Gln Lys Arg Glu Lys Ser Cys Ser Val Ser
 1 5 10 15
 Phe Pro Leu Ser Gln
 20

<210> 185
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 185

Thr Cys Ala Trp Leu Phe Gly Thr Met Gly Lys Arg Gln Asn Lys Thr
 1 5 10 15
 Phe Leu Ser Ser Gly Trp Gln Trp Cys Val Leu Ala Leu Ser Gly Ala
 20 25 30
 Ile Arg Val Lys Leu Cys Ser Phe Ser Ser Gln Arg Pro Ala Asn Arg
 35 40 45
 Phe Trp Gly Phe Ala Thr Leu Lys Cys Gly Val Asn Ser Ile Ala Thr
 50 55 60
 Thr Ser Gly Asp Arg Val Lys Tyr Ser Lys Ser Gly Arg Ser Arg Gln
 65 70 75 80
 Leu Tyr Ile Pro Leu Val Phe Leu Tyr Gly Pro Val Cys Leu Gly Lys
 85 90 95
 Lys Ser His Ile Leu Leu Lys Gly Ser Asn Tyr Ser Ala Leu Leu Phe
 100 105 110
 Cys Lys Val Leu Phe Lys Cys Ser Lys Tyr
 115 120

<210> 186

<211> 25

<212> PRT

<213> Homo sapiens

<400> 186

Lys Arg Gln Asn Lys Thr Phe Leu Ser Ser Gly Trp Gln Trp Cys Val
 1 5 10 15

Leu Ala Leu Ser Gly Ala Ile Arg Val
 20 25

<210> 187

<211> 23

<212> PRT

<213> Homo sapiens

<400> 187

Leu Lys Cys Gly Val Asn Ser Ile Ala Thr Thr Ser Gly Asp Arg Val
 1 5 10 15

Lys Tyr Ser Lys Ser Gly Arg
 20

<210> 188

<211> 19

<212> PRT

<213> Homo sapiens

<400> 188

Leu Leu Lys Gly Ser Asn Tyr Ser Ala Leu Leu Phe Cys Lys Val Leu

1

5

10

15

Phe Lys Cys

<210> 189

<211> 211

<212> PRT

<213> Homo sapiens

<400> 189

Met Arg Leu Phe Leu Trp Asn Ala Val Leu Thr Leu Phe Val Thr Ser
 1 5 10 15

Leu Ile Gly Ala Leu Ile Pro Glu Pro Glu Val Lys Ile Glu Val Leu
 20 25 30

Gln Lys Pro Phe Ile Cys His Arg Lys Thr Lys Gly Gly Asp Leu Met
 35 40 45

Leu Val His Tyr Glu Gly Tyr Leu Glu Lys Asp Gly Ser Leu Phe His
 50 55 60

Ser Thr His Lys His Asn Asn Gly Gln Pro Ile Trp Phe Thr Leu Gly
 65 70 75 80

Ile Leu Glu Ala Leu Lys Gly Trp Asp Gln Gly Leu Lys Gly Met Cys
 85 90 95

Val Gly Glu Lys Arg Lys Leu Ile Ile Pro Pro Ala Leu Gly Tyr Gly
 100 105 110

Lys Glu Gly Lys Gly Lys Ile Pro Pro Glu Ser Thr Leu Ile Phe Asn
 115 120 125

Ile Asp Leu Leu Glu Ile Arg Asn Gly Pro Arg Ser His Glu Ser Phe
 130 135 140

Gln Glu Met Asp Leu Asn Asp Asp Trp Lys Leu Ser Lys Asp Glu Val
 145 150 155 160

Lys Ala Tyr Leu Lys Lys Glu Phe Glu Lys His Gly Ala Val Val Asn
 165 170 175

Glu Ser His His Asp Ala Leu Val Glu Asp Ile Phe Asp Lys Glu Asp
 180 185 190

Glu Asp Lys Asp Gly Phe Ile Ser Ala Arg Glu Phe Thr Tyr Lys His
 195 200 205

Asp Glu Leu
 210

<210> 190

<211> 186

<212> PRT

<213> Homo sapiens

<400> 190

Glu Val Lys Ile Glu Val Leu Gln Lys Pro Phe Ile Cys His Arg Lys
 1 5 10 15
 Thr Lys Gly Gly Asp Leu Met Leu Val His Tyr Glu Gly Tyr Leu Glu
 20 25 30
 Lys Asp Gly Ser Leu Phe His Ser Thr His Lys His Asn Asn Gly Gln
 35 40 45
 Pro Ile Trp Phe Thr Leu Gly Ile Leu Glu Ala Leu Lys Gly Trp Asp
 50 55 60
 Gln Gly Leu Lys Gly Met Cys Val Gly Glu Lys Arg Lys Leu Ile Ile
 65 70 75 80
 Pro Pro Ala Leu Gly Tyr Gly Lys Glu Gly Lys Gly Lys Ile Pro Pro
 85 90 95
 Glu Ser Thr Leu Ile Phe Asn Ile Asp Leu Leu Glu Ile Arg Asn Gly
 100 105 110
 Pro Arg Ser His Glu Ser Phe Gln Glu Met Asp Leu Asn Asp Asp Trp
 115 120 125
 Lys Leu Ser Lys Asp Glu Val Lys Ala Tyr Leu Lys Lys Glu Phe Glu
 130 135 140
 Lys His Gly Ala Val Val Asn Glu Ser His His Asp Ala Leu Val Glu
 145 150 155 160
 Asp Ile Phe Asp Lys Glu Asp Glu Asp Lys Asp Gly Phe Ile Ser Ala
 165 170 175
 Arg Glu Phe Thr Tyr Lys His Asp Glu Leu
 180 185

<210> 191

<211> 633

<212> DNA

<213> Homo sapiens

<400> 191

ATGAGGCTTT TCTTGTGGAA CGCGGTCTTG ACTCTGTTTCG TCACTTCTTT GATTGGGGCT 60
 TTGATCCCTG AACCAGAAGT GAAAATTGAA GTTCTCCAGA AGCCATTCAT CTGCCATCGC 120
 AAGACCAAAG GAGGGGATTT GATGTTGGTC CACTATGAAG GCTACTTAGA AAAGGACGGC 180
 TCCTTATTTT ACTCCACTCA CAAACATAAC AATGGTCAGC CCATTTGGTT TACCCTGGGC 240
 ATCCTGGAGG CTCTCAAAGG TTGGGACCAG GGCTTGAAAG GAATGTGTGT AGGAGAGAAG 300
 AGAAAGCTCA TCATTCCTCC TGCTCTGGGC TATGGAAAAG AAGGAAAAGG TAAAATTCCC 360

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CCAGAAAGTA CACTGATATT TAATATTGAT CTCCTGGAGA TTCGAAATGG ACCAAGATCC      420
CATGAATCAT TCCAAGAAAT GGATCTTAAT GATGACTGGA AACTCTCTAA AGATGAGGTT      480
AAAGCATATT TAAAGAAGGA GTTTGAAAAA CATGGTGCGG TGGTGAATGA AAGTCATCAT      540
GATGCTTTGG TGGAGGATAT TTTTGATAAA GAAGATGAAG ACAAAGATGG GTTTATATCT      600
GCCAGAGAAT TTACATATAA ACACGATGAG TTA                                     633

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<210> 192
<211> 18
<212> PRT
<213> Homo sapiens

```

```

<400> 192
Ser Arg Gly Thr Phe Arg Cys Phe Cys Arg Asp Phe Phe Pro Cys Phe
  1             5             10             15
Ser Asn

```

```

<210> 193
<211> 25
<212> PRT
<213> Homo sapiens

```

```

<400> 193
Gln Glu Gln Pro Val Gly Thr Ala Ala Val Val Gly Gly Gly Arg Gly
  1             5             10             15
Ser Val Ala Ala Pro Pro Cys Pro Ala
          20             25

```

```

<210> 194
<211> 72
<212> PRT
<213> Homo sapiens

```

```

<400> 194
Gly Asn Val Ala Phe Pro Ala Glu Pro Val Ser Pro Pro Ala Ser Leu
  1             5             10             15
Leu Gln Gln Pro Glu Leu Glu Ser Asp Pro Glu Arg Thr Leu Ala Met
          20             25             30
Asp Ser Ala Leu Ser Asp Pro His Asn Gly Ser Ala Glu Ala Gly Gly
          35             40             45
Pro Thr Asn Ser Thr Thr Arg Pro Pro Ser Thr Pro Glu Gly Ile Ala
          50             55             60
Leu Ala Tyr Gly Ser Leu Leu Leu
          65             70

```


<210> 195
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 195
 Val Ser Pro Pro Ala Ser Leu Leu Gln Gln Pro Glu Leu Glu Ser Asp
 1 5 10 15

Pro Glu Arg Thr Leu Ala
 20

<210> 196
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 196
 Gly Ser Ala Glu Ala Gly Gly Pro Thr Asn Ser Thr Thr Arg Pro Pro
 1 5 10 15

Ser Thr Pro Glu Gly
 20

<210> 197
 <211> 251
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 197
 Ala Cys Leu Lys Met Cys Met Met Lys Met Val Xaa Pro Gln Ala Glu
 1 5 10 15

Xaa Val Gly Cys Lys Ala Gly Val Glu Val Gly Val Gly Ile Leu Leu
 20 25 30

Gln Ala Asp Val Lys Ala Gln Gln Gln Gly Asn Glu Asp Pro Trp Asn
 35 40 45

Asp Asp Ile Ser Lys Ser Gln His Gly Lys Val Val Cys Phe Glu Ala
 50 55 60

Phe Leu Gln Gln Ile Leu Gly Lys His Gln Phe Tyr Trp Cys Leu Glu
 65 70 75 80

Gly Ala Lys Tyr Pro Glu Asp Ile Val Asp Glu Glu

20

25

<210> 200
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 200
 Ser Ile Lys Gly Glu Gly Gln Ala Lys Lys Val Val Gly Asn Pro Val
 1 5 10 15
 Leu Pro Gln Gln Val Pro Asp Ala Asn Asp
 20 25

<210> 201
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 201
 Leu Leu Gly Glu Tyr Phe Glu Lys Glu Val Glu Pro Gln Glu Cys Ala
 1 5 10 15
 Ala Gly Asp Asp Gly Glu Ala Gly Gly Ile
 20 25

<210> 202
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 202
 Leu Arg Ser Val Val Gln Asp His Pro Gly Gln His Gly Glu Thr Pro
 1 5 10 15
 Ser Leu Leu Lys Ile Gln
 20

<210> 203
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 203

Ile Xaa Xaa Gly Gln Lys Ile Ser Pro Tyr Phe Lys Met Gln Gln Ser
 1 5 10 15
 Ile Asn Lys Ile Leu Ala Ile Phe Leu Asn Asp Thr Phe Phe Tyr Asn
 20 25 30
 Leu Tyr Arg Lys Leu Ser Ala Arg Ala Arg His Arg Val Thr Pro Val
 35 40 45
 Ile Pro Ala Leu Trp Glu Ala Lys Ala Gly Gly Ser Pro Glu Val Ser
 50 55 60
 Ser Ser Arg Pro Pro Trp Pro Thr Trp Arg Asn Ser Ile Ser Thr Lys
 65 70 75 80
 Asn Thr Lys Gln Leu Ala Arg Cys Gly Gly Arg Arg Leu
 85 90

<210> 204
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 204
 Tyr Phe Lys Met Gln Gln Ser Ile Asn Lys Ile Leu Ala Ile Phe Leu
 1 5 10 15
 Asn Asp Thr Phe Phe Tyr Asn Leu
 20

<210> 205
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 205
 Met Phe Tyr Asn Phe Val Arg Gln Leu Asp Thr Val Ser Ile Glu His
 1 5 10 15
 Ala Gly Lys Ser Lys Leu Lys Met Thr Val Gly Thr Lys Leu Thr Ser
 20 25 30
 Gly Xaa Gly Pro Arg Lys Ser Ser Gln Ser Gly Arg Ile Ala Ala Ser
 35 40 45
 Ile Thr Asp Cys Gln Gln Cys Lys Ala
 50 55

<210> 206
 <211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 206

Met Glu Ala Ala Ile Leu Pro Leu Trp Leu Leu Phe Leu Gly Pro Xaa
1 5 10 15

Pro Glu Val Ser Phe Val Pro Thr Val Ile Phe Asn Leu Asp Phe Pro
20 25 30

Ala Cys Ser Ile Leu Thr Val Ser Ser Cys Leu Thr Lys Leu
35 40 45

<210> 207

<211> 22

<212> PRT

<213> Homo sapiens

<400> 207

Leu Leu Phe Ile Leu Leu His Leu His Leu Lys Leu Val Leu Asn Cys
1 5 10 15

Ser Ala Asn Ser Leu Val
20

<210> 208

<211> 16

<212> PRT

<213> Homo sapiens

<400> 208

Asn Ser Ala Arg Ala Arg Ala Thr Phe Ser Val Gln Ser Met Gly
1 5 10 15

<210> 209

<211> 11

<212> PRT

<213> Homo sapiens

<400> 209

Met Leu Glu Arg Asn Leu Pro Gln Gly Arg Ala
1 5 10

<210> 210

<211> 97

<212> PRT

<213> Homo sapiens

<400> 210

```

Ala Thr Glu Pro Gln Phe Leu Gly Arg Ala Ala Ala Val Ser Ala Glu
 1             5             10             15

Gly Lys Ala Val Gln Thr Ala Ile Leu Gly Gly Ala Met Ser Val Val
          20             25             30

Ser Ala Cys Val Leu Leu Thr Gln Cys Leu Arg Asp Leu Ala Gln Pro
          35             40             45

Arg Arg Gly Ala Lys Met Ser Asp His Arg Glu Arg Leu Arg Asn Ser
          50             55             60

Ala Cys Ala Val Ser Glu Gly Cys Thr Leu Leu Ser Gln Ala Leu Arg
          65             70             75             80

Glu Arg Ser Ser Pro Arg Thr Leu Pro Pro Val Asn Ser Asn Ser Val
          85             90             95

```

Asn

<210> 211

<211> 30

<212> PRT

<213> Homo sapiens

<400> 211

```

Leu Gly Gly Ala Met Ser Val Val Ser Ala Cys Val Leu Leu Thr Gln
 1             5             10             15

Cys Leu Arg Asp Leu Ala Gln Pro Arg Arg Gly Ala Lys Met
          20             25             30

```

<210> 212

<211> 25

<212> PRT

<213> Homo sapiens

<400> 212

```

Cys Ala Val Ser Glu Gly Cys Thr Leu Leu Ser Gln Ala Leu Arg Glu
 1             5             10             15

Arg Ser Ser Pro Arg Thr Leu Pro Pro
          20             25

```

<210> 213

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 213

```
Gln Phe Ser Thr Pro Lys Arg Thr Val Gly Ala Asn Arg Gln Ala Ile
  1             5             10             15

Asn Ala Ala Leu Thr Gln Ala Thr Arg Thr Thr Val Tyr Ile Val Asp
      20             25             30

Ile Gln Asp Ile Asp Ser Ala Ala Arg Ala Arg Pro His Ser Tyr Leu
      35             40             45

Asp Ala Tyr Phe Val Phe Pro Asn Gly Ser Ala Leu Thr Xaa Asp Glu
      50             55             60

Leu Ser Val
      65
```

<210> 214

<211> 32

<212> PRT

<213> Homo sapiens

<400> 214

```
Leu Thr Gln Ala Thr Arg Thr Thr Val Tyr Ile Val Asp Ile Gln Asp
  1             5             10             15

Ile Asp Ser Ala Ala Arg Ala Arg Pro His Ser Tyr Leu Asp Ala Tyr
      20             25             30
```

<210> 215

<211> 25

<212> PRT

<213> Homo sapiens

<400> 215

```
Asn His Gly His Ser Cys Phe Leu Cys Glu Ile Val Ile Arg Ser Gln
  1             5             10             15

Phe His Thr Thr Tyr Glu Pro Glu Ala
      20             25
```

<210> 216

<211> 48

<212> PRT

<213> Homo sapiens

<400> 216

```
Ser Gly Arg His Arg Val Glu Leu Gln Leu Leu Phe Pro Leu Val Arg
  1             5             10             15
```

Val Asn Phe Glu Leu Gly Val Asn His Gly His Ser Cys Phe Leu Cys
 20 25 30

Glu Ile Val Ile Arg Ser Gln Phe His Thr Thr Tyr Glu Pro Glu Ala
 35 40 45

<210> 217

<211> 13

<212> PRT

<213> Homo sapiens

<400> 217

Lys Phe Leu Asn Trp Ser Ile Ser Asp Ala Phe Val Lys
 1 5 10

<210> 218

<211> 12

<212> PRT

<213> Homo sapiens

<400> 218

Ile Lys Ile Phe Ser Cys Cys Arg Lys Ala Trp Val
 1 5 10

<210> 219

<211> 98

<212> PRT

<213> Homo sapiens

<400> 219

Phe Leu Ser Leu Leu Leu Leu Ala Phe Ser Phe Ser Leu Phe Phe Phe
 1 5 10 15

Phe Asn Arg Lys Cys Thr Met Gln Val His Arg Pro Gln Thr Lys Leu
 20 25 30

Asp His Gln His Val His Val Gln Thr Ser Ala Val Ala Cys Thr Ala
 35 40 45

Cys Ala Pro Gln Phe Leu Gln Cys Trp Phe Val Cys Phe Leu Ile Gln
 50 55 60

His Pro Ala Gly Phe Thr Phe Gln Ala Arg Ser Val Ala Thr Pro Lys
 65 70 75 80

Cys Val Leu Met Ser Ser Ser Leu Phe Ala Phe Leu Leu Thr Tyr Phe
 85 90 95

Val Tyr

<210> 220
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 220
 Val Gln Thr Ser Ala Val Ala Cys Thr Ala Cys Ala Pro Gln Phe Leu
 1 5 10 15
 Gln Cys Trp Phe Val Cys Phe
 20

<210> 221
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 221
 Ser Val Ala Thr Pro Lys Cys Val Leu Met Ser Ser Ser Leu Phe Ala
 1 5 10 15
 Phe Leu Leu

<210> 222
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 222
 Ser Gln His Pro Glu Leu Gln Glu Gly Lys Ile Ser Ser Gln Ile Glu
 1 5 10 15
 Phe Tyr Ile Tyr His Phe Phe Gly Thr Phe Ser Pro Gln Asp Ser Asn
 20 25 30
 Ile

<210> 223
 <211> 141
 <212> PRT
 <213> Homo sapiens

<400> 223
 Met Asn Ala Arg Gly Leu Gly Ser Glu Leu Lys Asp Ser Ile Pro Val
 1 5 10 15
 Thr Glu Leu Ser Ala Ser Gly Pro Phe Glu Ser His Asp Leu Leu Arg
 20 25 30
 Lys Gly Phe Ser Cys Val Lys Asn Glu Leu Leu Pro Ser His Pro Leu
 35 40 45
 Glu Leu Ser Glu Lys Asn Phe Gln Leu Asn Gln Asp Lys Met Asn Phe

50	55	60
Ser Thr Leu Arg Asn Ile Gln Gly Leu Phe Ala Pro Leu Lys Leu Gln		
65	70	75 80
Met Glu Phe Lys Ala Val Gln Gln Val Gln Arg Leu Pro Phe Leu Ser		
	85	90 95
Ser Ser Asn Leu Ser Leu Asp Val Leu Arg Gly Asn Asp Glu Thr Ile		
	100	105 110
Gly Phe Glu Asp Ile Leu Asn Asp Pro Ser Gln Ser Glu Val Met Gly		
	115	120 125
Glu Pro His Leu Met Val Glu Tyr Lys Leu Gly Leu Leu		
	130	135 140

<210> 224

<211> 23

<212> PRT

<213> Homo sapiens

<400> 224

Leu Lys Asp Ser Ile Pro Val Thr Glu Leu Ser Ala Ser Gly Pro Phe
1 5 10 15

Glu Ser His Asp Leu Leu Arg
20

<210> 225

<211> 21

<212> PRT

<213> Homo sapiens

<400> 225

Gln Leu Asn Gln Asp Lys Met Asn Phe Ser Thr Leu Arg Asn Ile Gln
1 5 10 15

Gly Leu Phe Ala Pro
20

<210> 226

<211> 22

<212> PRT

<213> Homo sapiens

<400> 226

Gln Gln Val Gln Arg Leu Pro Phe Leu Ser Ser Ser Asn Leu Ser Leu
1 5 10 15

Asp Val Leu Arg Gly Asn
20

<210> 227

<211> 38
 <212> PRT
 <213> Homo sapiens

<400> 227
 Glu Phe Gly Thr Arg Ala Ala Pro Gly Ser Leu Gly Ala Arg Gly Ser
 1 5 10 15
 Ala Ala Thr Pro Ser Gly Arg Pro Gln Lys Leu Arg Asp Pro Ser Gly
 20 25 30
 Thr Ser Gly Gln Pro Arg
 35

<210> 228
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 228
 Asn Ser Ala Arg Gly Arg His Gln Gly Ala Trp Ala Pro Gly Ala Pro
 1 5 10 15
 Pro Arg Pro His Arg Val Asp His Arg Ser Ser Gly Thr Leu Pro Ala
 20 25 30
 Pro Leu Asp Ser Pro Gly Cys Cys Trp Pro Pro Ser Ser Ser Ser
 35 40 45
 Leu Glu Ala Leu Trp Pro Ile Gln Thr Gly Leu Phe Phe Gln Ile Met
 50 55 60
 Leu Val Arg Thr Pro Gln Gln Cys Ser
 65 70

<210> 229
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 229
 Gln Gly Ala Trp Ala Pro Gly Ala Pro Pro Arg Pro His Arg Val Asp
 1 5 10 15
 His Arg Ser Ser Gly Thr Leu Pro Ala
 20 25

<210> 230
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 230
 Leu Trp Pro Ile Gln Thr Gly Leu Phe Phe Gln Ile Met Leu Val Arg
 1 5 10 15

Thr Pro Gln

<210> 231
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 231
 Thr Met Ser Glu Leu Leu Gly Arg Asn Leu Gly Trp Glu Ala Ser Asp
 1 5 10 15
 Pro Arg Leu His Pro Trp Leu Pro Gln Pro Ala Ala Ala Ser Lys Thr
 20 25 30
 Lys Arg Glu
 35

<210> 232
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 232
 Ile Phe Arg Asn Ala His Ile Ile Val Gly Thr Asp Ser Phe Leu His
 1 5 10 15
 Asp

<210> 233
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 233
 Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr Gln Pro Tyr Pro
 1 5 10 15

<210> 234
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 234
 Pro Leu Leu Gly Val Ser Ala Thr Leu Asn Ser Val Leu Asn Ser Asn
 1 5 10 15
 Ala Ile Lys Asn
 20

<210> 235

<211> 14
 <212> PRT
 <213> Homo sapiens

<400> 235
 Gly Ser Ala Val Ser Ala Ala Pro Gly Ile Leu Tyr Pro Gly
 1 5 10

<210> 236
 <211> 280
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (138)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 236
 Arg Ser Phe Ser Leu Ser Phe Ser Leu Leu Ser Pro Ser Glu Met Met
 1 5 10 15
 Ala Leu Gly Ala Ala Gly Ala Thr Arg Val Phe Val Ala Met Val Ala
 20 25 30
 Ala Ala Leu Gly Gly His Pro Leu Leu Gly Val Ser Ala Thr Leu Asn
 35 40 45
 Ser Val Leu Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro Pro Leu Gly
 50 55 60
 Gly Ala Ala Gly His Pro Gly Ser Ala Val Ser Ala Ala Pro Gly Ile
 65 70 75 80
 Leu Tyr Pro Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr Gln Pro
 85 90 95
 Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly Thr Asp Glu Tyr Cys Ala
 100 105 110
 Ser Pro Thr Arg Gly Gly Asp Ala Gly Val Gln Ile Cys Leu Ala Cys
 115 120 125
 Arg Lys Arg Arg Lys Arg Cys Met Xaa Xaa Ala Met Cys Cys Pro Gly
 130 135 140
 Asn Tyr Cys Lys Asn Gly Ile Cys Val Ser Ser Asp Gln Asn His Phe
 145 150 155 160
 Arg Gly Glu Ile Glu Glu Thr Ile Thr Glu Ser Phe Gly Asn Asp His
 165 170 175

Ser Thr Leu Asp Gly Tyr Ser Arg Arg Thr Thr Leu Ser Ser Lys Met
 180 185 190

Tyr His Thr Lys Gly Gln Glu Gly Ser Val Cys Leu Arg Ser Ser Asp
 195 200 205

Cys Ala Ser Gly Leu Cys Cys Ala Arg His Phe Trp Ser Lys Ile Cys
 210 215 220

Lys Pro Val Leu Lys Glu Gly Gln Val Cys Thr Lys His Arg Arg Lys
 225 230 235 240

Gly Ser His Gly Leu Glu Ile Phe Gln Arg Cys Tyr Cys Gly Glu Gly
 245 250 255

Leu Ser Cys Arg Ile Gln Lys Asp His His Gln Ala Ser Asn Ser Ser
 260 265 270

Arg Leu His Thr Cys Gln Arg His
 275 280

<210> 237

<211> 8

<212> PRT

<213> Homo sapiens

<400> 237

Ser Ala Thr Leu Asn Ser Val Leu
 1 5

<210> 238

<211> 7

<212> PRT

<213> Homo sapiens

<400> 238

Asn Ser Asn Ala Ile Lys Asn
 1 5

<210> 239

<211> 7

<212> PRT

<213> Homo sapiens

<400> 239

Gly Gly Asn Lys Tyr Gln Thr
 1 5

<210> 240

<211> 15

<212> PRT

<213> Homo sapiens

<400> 240

Asp Asn Tyr Gln Pro Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly
 1 5 10 15

<210> 241
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 241
 Gly Val Gln Ile Cys Leu
 1 5

<210> 242
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 242
 Pro Gly Asn Tyr Cys Lys Asn Gly Ile Cys
 1 5 10

<210> 243
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 243
 Arg Gly Glu Ile Glu Glu
 1 5

<210> 244
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 244
 Tyr His Thr Lys Gly Gln Glu Gly Ser Val Cys Leu Arg Ser Ser Asp
 1 5 10 15

Cys Ala

<210> 245
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 245
 Gly Leu Cys Cys Ala Arg His Phe Trp Ser Lys Ile Cys Lys Pro Val
 1 5 10 15

Leu Lys Glu Gly Gln Val Cys Thr Lys His
 20 25

<210> 246
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 246
 Arg Lys Gly Ser His Gly Leu Glu Ile Phe
 1 5 10

<210> 247
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 247
 Gln Arg Cys Tyr Cys Gly Glu Gly Leu
 1 5

<210> 248
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 248
 Cys Arg Ile Gln Lys Asp His His Gln Ala Ser Asn Ser Ser Arg Leu
 1 5 10 15

His Thr Cys Gln Arg His
 20

<210> 249
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 249
 Glu Gly Leu Cys Glu Gly Ala Val Gly Trp Asn Gly Gly Trp His Gly
 1 5 10 15

Thr Gly Thr Arg Glu Ala Ser Ser Pro Phe Ser Ala Thr Ser Lys Arg
 20 25 30

His Ser Ala Leu Pro Glu
 35

<210> 250
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 250
 Ser Trp Ser Leu Met Phe Ile Leu Lys Leu Ala Ser Leu Phe Arg Leu

1	5	10	15
Leu Ile Gln Pro Leu Ala Phe Ser Phe Asn Leu Gly Gln Lys Asn Arg			
20		25	30
Gln His Phe Leu Pro Pro Leu Pro His His His Pro Ile Tyr Ser Phe			
35	40	45	
Ser Leu Tyr Tyr His Asn Ser Pro Lys Arg Pro Lys Ser Ile Ile Lys			
50	55	60	
Ser Asn Asn Leu Ala Ser Asn Leu Asn Pro Ser Ile			
65	70	75	

<210> 251

<211> 21

<212> PRT

<213> Homo sapiens

<400> 251

Lys Leu Ala Ser Leu Phe Arg Leu Leu Ile Gln Pro Leu Ala Phe Ser
1 5 10 15

Phe Asn Leu Gly Gln
20

<210> 252

<211> 20

<212> PRT

<213> Homo sapiens

<400> 252

Ser Phe Ser Leu Tyr Tyr His Asn Ser Pro Lys Arg Pro Lys Ser Ile
1 5 10 15

Ile Lys Ser Asn
20

<210> 253

<211> 18

<212> PRT

<213> Homo sapiens

<400> 253

Lys Pro Pro Pro Pro Thr Pro Pro Phe Ala Tyr Thr Thr Pro Leu Leu
1 5 10 15

Leu Ser

<210> 254

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 254

Met Leu Ala Cys Arg Arg Leu Pro Met Ser Gln Asn Pro Leu Ser Met
1 5 10 15

Leu Thr Leu Asp Thr Pro Leu Lys Pro Leu Ile Val Cys Ala Ser Gly
20 25 30

Cys Glu Val Pro Ala Pro Cys Gly Xaa Cys Ala Cys Thr Xaa Pro Ala
35 40 45

Leu Gln Phe Leu Cys Thr Tyr Ser Ser Ser Ala Val Leu Lys Cys
50 55 60

<210> 255

<211> 30

<212> PRT

<213> Homo sapiens

<400> 255

Leu Pro Met Ser Gln Asn Pro Leu Ser Met Leu Thr Leu Asp Thr Pro
1 5 10 15

Leu Lys Pro Leu Ile Val Cys Ala Ser Gly Cys Glu Val Pro
20 25 30

<210> 256

<211> 13

<212> PRT

<213> Homo sapiens

<400> 256

Ala Phe Gly Asp Thr Asp Ile Arg Gln Leu Phe Phe Ala
1 5 10

<210> 257

<211> 45

<212> PRT

<213> Homo sapiens

<400> 257

Arg Gly Ile Ser Val Leu Arg Arg Val Trp Gly Gln Pro Trp Arg Leu
1 5 10 15

Gln Val Phe Ser Leu Pro Gln Gln Ser Pro Ala Gly Ala Pro Thr Gly

20 25 30

Ser Gln Arg Gly Met Ala Ala Thr Asp Phe Val Gln Glu
35 40 45

<210> 258

<211> 23

<212> PRT

<213> Homo sapiens

<400> 258

Pro Glu Glu Ala Ser Phe Ala Cys Glu Gly Cys Gly Pro Pro Leu Pro
1 5 10 15

Trp Ala Cys Ser Pro Gly Trp
20

<210> 259

<211> 108

<212> PRT

<213> Homo sapiens

<400> 259

Lys Tyr Met Leu Tyr Arg Pro Gln Ala Ala Leu Asp Leu Val Ser Asp
1 5 10 15

Thr Ser Asp Gln Lys Lys Pro Val Leu Arg Val Arg Gly Val Gly Pro
20 25 30

Arg Cys Leu Gly Pro Ala His Arg Gly Gly Trp Thr Pro Ala Gly Ser
35 40 45

Gln Pro Ala Val Thr Ser Gly Leu Leu Ala Ser Ser Ala Ser Gly Leu
50 55 60

Leu Gly Ser Pro Ala Leu Cys Pro Ser Val Thr Ser Leu Ser Gly Cys
65 70 75 80

Pro Val Leu Ala Ala Leu Ser Phe Val Arg Ile Thr Pro Ser Phe Phe
85 90 95

Phe Ser Pro Asn Thr Ser Ser Pro Ile Ile Leu Arg
100 105

<210> 260

<211> 28

<212> PRT

<213> Homo sapiens

<400> 260

Asp Gln Lys Lys Pro Val Leu Arg Val Arg Gly Val Gly Pro Arg Cys
1 5 10 15

Leu Gly Pro Ala His Arg Gly Gly Trp Thr Pro Ala
20 25

<210> 261
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 261
 Gln Pro Ala Val Thr Ser Gly Leu Leu Ala Ser Ser Ala Ser Gly Leu
 1 5 10 15
 Leu Gly Ser Pro Ala Leu Cys Pro Ser Val Thr Ser
 20 25

<210> 262
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 262
 Gln Arg Ile Ile Thr Val Ser Met Glu Asp Val Lys Ile Leu Leu Thr
 1 5 10 15
 Gln Glu Asn Pro Phe Phe Arg Lys Leu Ser Ser Glu Thr Tyr Ser Gln
 20 25 30
 Ala Lys Asp Leu Ala Lys Gly Ser Ile Val Leu Lys Tyr Glu Pro Asp
 35 40 45
 Ser Ala Asn Pro Asp Ala Leu Gln Cys Pro Ile Val Leu Cys Gly Trp
 50 55 60
 Arg Gly Lys Ala Ser Ile Arg Thr Phe Val Pro Lys Asn Glu Arg Leu
 65 70 75 80
 His Tyr Leu Arg Met Met Gly Leu Glu Val Leu Gly Glu Lys Lys Lys
 85 90 95
 Glu Gly Val Ile Leu Thr Asn Glu Ser Ala Ala Ser Thr Gly Gln Pro
 100 105 110
 Asp Asn Asp Val Thr Glu Gly Gln Arg Ala Gly Glu Pro Asn Ser Pro
 115 120 125
 Asp Ala Glu Glu Ala Asn Ser Pro Asp Val Thr Ala Gly Cys Asp Pro
 130 135 140
 Ala Gly Val His Pro Pro Arg
 145 150

<210> 263
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 263

Asp Val Lys Ile Leu Leu Thr Gln Glu Asn Pro Phe Phe Arg Lys Leu
 1 5 10 15

Ser Ser Glu Thr Tyr Ser Gln Ala Lys
 20 25

<210> 264

<211> 28

<212> PRT

<213> Homo sapiens

<400> 264

Ala Lys Gly Ser Ile Val Leu Lys Tyr Glu Pro Asp Ser Ala Asn Pro
 1 5 10 15

Asp Ala Leu Gln Cys Pro Ile Val Leu Cys Gly Trp
 20 25

<210> 265

<211> 28

<212> PRT

<213> Homo sapiens

<400> 265

Leu His Tyr Leu Arg Met Met Gly Leu Glu Val Leu Gly Glu Lys Lys
 1 5 10 15

Lys Glu Gly Val Ile Leu Thr Asn Glu Ser Ala Ala
 20 25

<210> 266

<211> 25

<212> PRT

<213> Homo sapiens

<400> 266

Ala Gly Glu Pro Asn Ser Pro Asp Ala Glu Glu Ala Asn Ser Pro Asp
 1 5 10 15

Val Thr Ala Gly Cys Asp Pro Ala Gly
 20 25

<210> 267

<211> 14

<212> PRT

<213> Homo sapiens

<400> 267

Ile Leu Phe Ala Ala Ser Lys Gly Asp Asp Phe Gln Ala Asp
 1 5 10

<210> 268

<211> 14

<400> 268
Ile Leu Phe Ala Ala Ser Lys Gly Asp Asp Phe Gln Ala Asp
1 5 10

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<400> 269
Leu Tyr Ala Gln Lys Leu Gly Ala Thr Cys Phe Cys Thr Asp Cys Arg
  1             5             10             15
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Ser Lys

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<210> 270
<211> 81
<212> PRT
<213> Homo sapiens
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<400> 270
Ala Gly Ile Gln His Glu Leu Ala Cys Asp Asn Pro Gly Leu Pro Glu
1 5 10 15

Asn Gly Tyr Gln Ile Leu Tyr Lys Arg Leu Tyr Leu Pro Gly Glu Ser
20 25 30

Leu Thr Phe Met Cys Tyr Glu Gly Phe Glu Leu Met Gly Glu Val Thr
35 40 45

Ile Arg Cys Ile Leu Gly Gln Pro Ser His Trp Asn Gly Pro Leu Pro
50 55 60

Val Cys Lys Val Ala Glu Ala Ala Ala Glu Thr Ser Leu Glu Gly Gly
65 70 75 80

Asn

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<210> 271
<211> 27
<212> PRT
<213> Homo sapiens
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<400> 271
Gln Pro Ser His Trp Asn Gly Pro Leu Pro Val Cys Lys Val Ala Glu
1 5 10 15

Ala Ala Ala Glu Thr Ser Leu Glu Gly Gly Asn
20 25

<210> 272
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 272
 Tyr Glu Thr Gly Glu Thr Arg Glu Tyr Glu Val Ser Ile
 1 5 10

<210> 273
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 273
 Trp Val Glu Lys Gly Glu Arg Gly Val Gly Pro Asp Thr Lys Glu Met
 1 5 10 15

Phe Ser Ala Ile Asn Gln Leu Gln Asn Lys
 20 25

<210> 274
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 274
 Gly Thr Ser Pro Lys Cys Trp Asp Tyr Arg Glu Leu Met Lys Val Glu
 1 5 10 15

<210> 275
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 275
 His Glu Pro Lys Val Leu Gly Leu Gln Gly Val Asp Glu Ser Gly Asp
 1 5 10 15

Val Phe Arg Ala Thr Tyr Ala Ala Phe Arg Cys Ser Pro Ile Ser Gly
 20 25 30

Leu Leu Glu Ser His Gly Ile Gln Lys Val Ser Ile Thr Phe Xaa Pro
 35 40 45

Arg Gly Arg Gly

50

<210> 276
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 276
 Asp Tyr Xaa Gln Phe Trp Asp Val Glu Cys His Pro Leu Lys Glu Pro
 1 5 10 15
 His Met Lys His Thr Leu Arg Phe Gln Leu Ser Gly Gln Ser Ile Glu
 20 25 30
 Ala Glu Asn Glu Pro Glu Asn Ala Cys Leu Ser Thr Asp Ser Leu Ile
 35 40 45
 Lys Ile Asp
 50

<210> 277
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 277
 His Leu Val Lys Pro Arg Arg Gln Ala Val Ser Glu Ala Ser Ala Arg
 1 5 10 15
 Ile Pro Asp Xaa Gln Leu Asp Val Thr Ala Arg Gly Val Tyr Ala Pro
 20 25 30
 Glu Asp Val Tyr Arg Phe Leu Pro Thr Ser Val Gly Glu Ser Arg Thr
 35 40 45
 Leu Lys Val
 50

<210> 278
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 278
 Asn Leu Arg Asn Asn Ser Phe Ile Thr His Ser Leu Lys Phe Leu Ser

1 5 10 15
 Pro Arg Glu Pro Phe Tyr Val Lys His Ser Lys Tyr Ser Leu Arg Ala
 20 25 30

Gln His

<210> 279
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 279
 Glu Asn Leu Ser Thr Ser Cys Val Ser Cys Gln Val Val Phe Val Thr
 1 5 10 15
 Ser Glu Pro Ala Leu Thr Leu Pro Thr Tyr His Val Met Leu Ile Ser
 20 25 30
 Pro Thr Val Pro Cys Cys Ile Gly Ser Ala Leu Arg Ala Glu Ile
 35 40 45

<210> 280
 <211> 195
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (161)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 280
 Asp Asp Asp Gly Leu Pro Phe Pro Thr Asp Val Ile Gln His Arg Leu
 1 5 10 15
 Arg Gln Ile Glu Ala Gly Tyr Lys Gln Glu Val Glu Gln Leu Arg Arg
 20 25 30
 Gln Val Arg Asp Ser Asp Glu Xaa Gly His Pro Ser Leu Leu Cys Pro
 35 40 45
 Ser Ser Arg Ala Pro Met Asp Tyr Glu Asp Asp Phe Thr Cys Leu Lys
 50 55 60
 Glu Ser Asp Gly Ser Asp Thr Glu Asp Phe Gly Ser Asp His Ser Glu
 65 70 75 80
 Asp Cys Leu Ser Glu Ala Ser Trp Glu Pro Val Asp Lys Lys Glu Thr
 85 90 95

Glu Val Thr Arg Trp Val Pro Asp His Met Ala Ser His Cys Tyr Asn
 100 105 110

Cys Asp Cys Glu Phe Trp Leu Ala Lys Arg Arg His His Cys Arg Asn
 115 120 125

Cys Gly Asn Val Phe Cys Ala Gly Cys Cys His Leu Lys Leu Pro Ile
 130 135 140

Pro Asp Gln Gln Leu Tyr Asp Pro Val Leu Val Cys Asn Ser Cys Tyr
 145 150 155 160

Xaa Thr His Ser Ser Leu Ser Cys Gln Gly Thr His Glu Pro Thr Ala
 165 170 175

Glu Glu Thr His Cys Tyr Ser Phe Gln Leu Asn Ala Gly Glu Lys Pro
 180 185 190

Val Gln Phe
 195

<210> 281

<211> 28

<212> PRT

<213> Homo sapiens

<400> 281

Ser Glu Ala Ser Trp Glu Pro Val Asp Lys Lys Glu Thr Glu Val Thr
 1 5 10 15

Arg Trp Val Pro Asp His Met Ala Ser His Cys Tyr
 20 25

<210> 282

<211> 10

<212> PRT

<213> Homo sapiens

<400> 282

His His Cys Arg Asn Cys Gly Asn Val Phe
 1 5 10

<210> 283

<211> 14

<212> PRT

<213> Homo sapiens

<400> 283

Arg Leu Arg Gln Ile Glu Ala Gly Tyr Lys Gln Glu Val Glu
 1 5 10

<210> 284

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 284

Val	Asn	Lys	Ser	Asn	Gly	Arg	Xaa	His	Gly	Arg	Arg	Ala	Tyr	Arg	Xaa
1				5					10					15	

Ser	Leu	Ser	Ile	Ala	Phe	Pro	Arg	Lys	Pro	Gln	Phe	Arg	His	Arg	Ser
			20					25					30		

Pro	Glu	Val	Ser	Pro	Ser	Asp	Leu
		35				40	

<210> 285

<211> 39

<212> PRT

<213> Homo sapiens

<400> 285

Ser	Pro	Ile	Pro	Ser	Glu	Glu	Val	Lys	Glu	Ile	Pro	His	Arg	Tyr	Arg
1				5					10					15	

Gly	Ser	Arg	Cys	Pro	Arg	Thr	Ser	Asn	Ser	Arg	Phe	Gly	Pro	Arg	Arg
			20					25					30		

Leu	Ala	Pro	Thr	Ser	Thr	Thr
			35			

<210> 286

<211> 39

<212> PRT

<213> Homo sapiens

<400> 286

Ser	Pro	Ile	Pro	Ser	Glu	Glu	Val	Lys	Glu	Ile	Pro	His	Arg	Tyr	Arg
1				5					10					15	

Gly	Ser	Arg	Cys	Pro	Arg	Thr	Ser	Asn	Ser	Arg	Phe	Gly	Pro	Arg	Arg
			20					25					30		

Leu	Ala	Pro	Thr	Ser	Thr	Thr
			35			

<210> 287

<211> 14

<212> PRT

<213> Homo sapiens

<400> 287

Trp Gln Glu Ala Glu Met Asp Met Ala Trp Gln Lys Ser Ile
1 5 10

<210> 288

<211> 20

<212> PRT

<213> Homo sapiens

<400> 288

Met Ala Ser Ser Asp Glu His Ser Ser Ile Leu Gln Gly Leu Leu Ser
1 5 10 15

His His Ser Leu
20

<210> 289

<211> 44

<212> PRT

<213> Homo sapiens

<400> 289

Lys Arg Gln Pro Thr Ser Ala Met Lys Asp Pro Ser Arg Ser Ser Thr
1 5 10 15

Ser Pro Ser Ile Ile Asn Glu Asp Val Ile Ile Asn Gly His Ser His
20 25 30

Glu Asp Asp Asn Pro Phe Ala Glu Tyr Met Trp Met
35 40

<210> 290

<211> 45

<212> PRT

<213> Homo sapiens

<400> 290

Glu Asn Glu Glu Glu Phe Asn Arg Gln Ile Glu Glu Glu Leu Trp Glu
1 5 10 15

Glu Glu Phe Ile Glu Arg Cys Phe Gln Glu Met Leu Glu Glu Glu
20 25 30

Glu His Glu Trp Phe Ile Pro Ala Arg Asp Leu Pro Gln
35 40 45

<210> 291

<211> 45

<212> PRT

<213> Homo sapiens

<400> 291

Thr Met Asp Gln Ile Gln Asp Gln Phe Asn Asp Leu Val Ile Ser Asp
 1 5 10 15

Gly Ser Ser Leu Glu Asp Leu Val Val Lys Ser Asn Leu Asn Pro Asn
 20 25 30

Ala Lys Glu Phe Val Pro Gly Val Lys Tyr Gly Asn Ile
 35 40 45

<210> 292

<211> 87

<212> PRT

<213> Homo sapiens

<400> 292

Met Ser His Cys Ala Arg Pro Leu Phe Phe Glu Thr Phe Phe Ile Leu
 1 5 10 15

Leu Ser Pro Arg Leu Lys Cys Ser Gly Thr Asn Thr Val His Tyr Ser
 20 25 30

Leu Asp Leu Leu Gly Ser Ser Asn Ser Ala Ser Val Pro Gln Val Gly
 35 40 45

Gly Leu Thr Asn Ala Gln His Asp Thr Trp Leu Ile Phe Val Phe Cys
 50 55 60

Val Cys Val Cys Glu Pro Leu Arg Arg Pro Trp Ala Ala Phe Leu Ile
 65 70 75 80

Ser Val Thr Ser Ser Ile Lys
 85

<210> 293

<211> 30

<212> PRT

<213> Homo sapiens

<400> 293

Val Pro Gln Val Gly Gly Leu Thr Asn Ala Gln His Asp Thr Trp Leu
 1 5 10 15

Ile Phe Val Phe Cys Val Cys Val Cys Glu Pro Leu Arg Arg
 20 25 30

<210> 294

<211> 16

<212> PRT

<213> Homo sapiens

<400> 294

Pro Arg Asp Leu Pro Ala Ser Ala Ser Gln Ser Ala Arg Ile Thr Gly
 1 5 10 15